

I.T.S CENTRE FOR DENTAL STUDIES AND RESEARCH

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I.T.S

**DENTAL COLLEGE, GHAZIABAD
(DELHI-NCR)
ESTD. 2000**

SELF STUDY REPORT

Submitted for

ACCREDITATION OF THE COLLEGE

(CYCLE-2)

to

**NATIONAL ASSESSMENT AND
ACCREDITATION COUNCIL**

P O Box No 1075, Nagarbhavi, Bangalore - 560072



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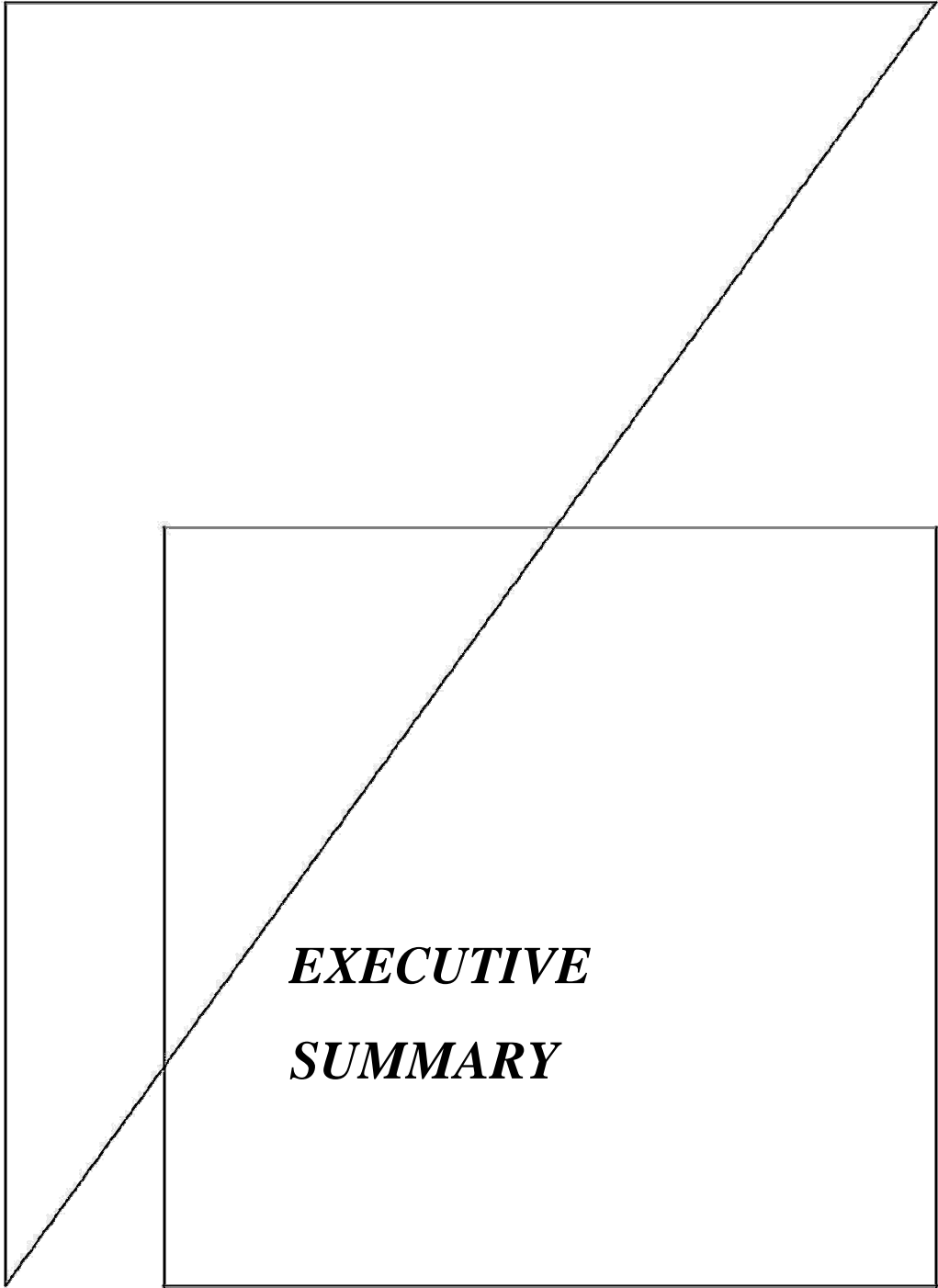
PREFACE

The I.T.S-CDSR was established in the year 2000. Since then, the college has continuously strived to achieve highest levels of standards in field of dental education and health, thus emerging as a premier center for advanced research committed to social service.

The Self Study Report (SSR) is an official document required for application of NAAC accreditation process. The report has been prepared highlighting the key relevant points in concise and precise manner. The college is privileged to gain 'A' grade status and is applying for second cycle of accreditation, and is submitting the SSR report for the same. The IQAC has taken a long task of compiling the report with an unyielding support from all the constituent departments.

The SSR report is structured as per the guidelines of the NAAC requirements, as enlisted in the NAAC manual.

The institute eagerly awaits the peer team for their kind opinions on evaluation and assessment of the institute's efforts and valuable suggestions to replenish industrial standards of excellence in education and oral health.



***EXECUTIVE
SUMMARY***

EXECUTIVE SUMMARY – SWOC ANALYSIS

The I.T.S Group of Institutions under the aegis of Durga Charitable Society, was established in 1995, with a key objective of imparting quality education to students and healthcare to preponderant urban and rural population in Delhi-National Capital region (NCR). More than 8000 Students and around 800 faculty members, in fields of Dental Science, Management, Information Technology, Engineering, Biotechnology, Pharmacology and Physiotherapy, are fractions of this education group, influencing the development of our country in a worthy way.

The I.T.S Centre for Dental Studies and Research, Muradnagar, District Ghaziabad, was established in the year 2000. Located upfront on the arterial National Highway 58, with New Delhi and Meerut City at polar ends, the college is encircled by myriad of hamlets and towns, from where an enormous pool of patients is drawn. The Bachelor of Dental Surgery (BDS) course, pioneer course begun by the college, was recognized by the Dental Council of India (DCI) and Ministry of Health & Family Welfare vide letter no. V-12017/15/2000-PMS dated 05.07.2005; affiliated to Chaudhary Charan Singh University, Meerut. Subsequently, the institute also got recognized for the Master of Dental Surgery (MDS) course, by the DCI, in all nine specialties of Dental Studies in the ensuing years. At the outset, in the quest of postgraduate training, approval for four seats each was obtained in the specialties of Prosthodontics, Conservative Dentistry, Orthodontics and Periodontics and three seats in specialty of Oral Surgery. Approval for MDS programs in the Departments of Pedodontics, Oral Pathology and Oral Medicine and Radiology followed. Owing to an inherent demand of specialty dentists coupled by expansion of infrastructure, the number eventually swelled to six postgraduate seats in each department (with exception of Oral medicine and Radiology and Public health dentistry). As on today, the CCS University has granted permanent affiliations to all the postgraduate courses. At present, a total of 150 postgraduate students are enrolled in various postgraduate courses attaining premium education.

The college is distinctively ubiquitous for excellence in academics, commendable patient care and highly competitive environs to meet the need of tomorrow's dentists from today's perspective. Integrated Academic Reinforcement & Curriculum Enhancement (IARCE) Practice is deemed pivotal for delivering rich-quality education to the students which involves:

An evidence-based professional approach to treat patients while maintaining highest standards of ethics coalesced with an empathetic outlook.

Nurturing research quotient from a global standpoint and pragmatic application in real time clinical settings.

Endorsing the coveted virtue of continuous learning by laying firm foundations of interwoven basic, biomedical and clinical sciences.

The I.T.S CDSR is regarded as a laudable institute for dental studies, where students from length and breadth of the country strive to take admission, since

the committed faculty and proficient administration leave no stone unturned to smooth the progress and pass on unrivaled education and valuable skills meticulously.

The core philosophy of active learning with a gamut of interactive activities is the hallmark feature of the institute. The students are inducted at an early stage into the BDS clinical curriculum so as to acclimatize them of technical know-how of the system functioning and give a bird's eye view of the learning pathways they shall encounter during their course of future study. With a precise academic focus on students, the BDS batches, owing to their large numbers are segregated in smaller numbers with each group having a mentor, thereby enhancing the usefulness of problem solving with a favorable student teacher ratio.

The training of teachers on top of students is run in a unique fashion, with the teachers also sensitized and groomed by conduction of Teachers Training Programs (TTP) under patronage of distinguished faculty. Conferences, Continuing Dental Education (CDE) Programs, and Workshops of National & International Level are planned at periodic intervals to endow with congenial climes in order to endorse rigorous exchange of knowledge, information and technological update amongst partakers.

The students are further critically evaluated based upon a range of factors comprising attendance records, quota completion, project input and internal assessment grades. Equivalent focus is laid upon upgrading and procuring the most advanced equipment, instruments and machines to enable a dynamic clinical environment with installment of 3- Dimensional Cone Beam Computed Tomography (CBCT), Computer Aided Design and Machining (CAD-CAM), LASER Units and ergonomically designed Left Handed Dental Chairs. In addition to this, the college hosts a state of the art Oral Implantology Centre with concurrently running training modules in association with The Universidad Catolica San Antonion de, Murcia (UCAM), Spain. To further refine the scope of empirical erudition, a premier Centre for Advanced Research is operational in the institute as an autonomous department to embark on extensive research projects linking Molecular Biology, Metallurgical Sciences and Allied Health domains.

The students are encouraged to publish their original research work in reputed indexed including the institute's own, The Journal of Dental Specialties (JDS). Similarly, Clinical grand rounds are conducted periodically by Faculty, Interns and students to form a colloquium, for stirring discussions and diffusion of evidence based data. The I.T.S CDSR boasts of extraordinary Library infrastructure with more than 7000 text books, 2000 reference books, 450 E-journals, and 70 High Impact specialty Journals titles. This is in addition to individual Departmental libraries of the institute.

Paralleling the academic stronghold, a well crafted and exclusively designed system of patient management named ORION has been conceptualized and implemented to bring the entire departmental working under a cloud platform. Streamlining of Patient OPD and Transparency in billing can be attributed to a well gauged potency of ORION software. Due to the holistic approach towards patients, OPD and patient visit to each department has increased as also, the treatment of choice pertaining to specialty needs. For instance there

is a gradual boost in number of Implant patients done in the institute. Additionally, OPAC, Almighty Helpdesk, Dolphin and Alice Software constitute a virtual framework for e-governance of the I.T.S Centre for Dental Studies and Research.

Internal Audit System together with Clinical Audit and Stakeholder feedback are mentionable auxiliary facades which can be elicited as supporting parameters of success of the institute. The enormous infrastructure of the institute is circumspectly maintained by ERP software where complaints in relation to material or consumption supply chain are fastidiously resolved. This has resulted in increase of efficiency of workforce. Simultaneously, the institute follows the doctrine of Importance of human values by imbibing the essence in an array of tasks, developing the character of every individual by making him/her more self reliant and by maintaining impeccable standards of sterilization and disinfection of contact as well as non-contact items, to be used on patients. To materialize these objectives, Standard Operating Procedures (SOP's) have been formulated to ensure Precision and Standardization of work steps.

The institute further makes it certain that the students imbibe and inculcate sound ethical principles of professional conduct equally in tandem with moral values, which are considered paramount for building an irreproachable repute; and schooling of exceptional dentists with a commendable intellect. The former key points constitute as an integral part of the institutional corporate social responsibility (CSR) which is also distinctly supplemented by conceding a full responsibility towards environmental protection initiatives. In this context, vital aspects incorporate reduction of carbon footprint by switching to paperless modes of administration including ORION and ERP software, which are part of a larger cloud based platform of digital management strategies in the institutional routine functioning and implementation of clean renewable sources of energy, solar power , water harvesting to cite a few.

As outlined in Mission and Vision, it is a constant endeavor of the institute per se, to minimize oral health morbidity and elevate hygiene measures to tangible echelons, yet a barrier of patient education remains as Achilles' heel, a weakness with its roots lying in the socio-economic fabric in vicinal regions of the institute. Community Outreach programs take place round the year to maximally benefit the sparsely aware strata of population, which generates a respectable number of patients for the institute and its hospitals. The institute consistently supplements its existing armamentarium of Public health domain by insertion of latest modalities, the recent being a fully equipped dental ambulance featuring two Hi-Tech dental chairs.

The institute duly acknowledges availability of diverse avenues as opportunities to widen the horizons of its evolving base. International Exchange Program in collaboration with the renowned Tuft's University USA has attracted magnanimous credibility to the institute's objective of rife exposure and participative management. In contrast, students with diverse backgrounds have proportionately varied needs, which portray an important

challenge for the institute. The learning methodology for such students is continuous evolving and looked after. Furthermore, the quantity of extra mural grants received has shown promising inclines, yet a challenge exists to define areas of unexplored research which would not only attract eminent faculty, and international students but also would serve to re-establish ITS CDSR as an imperial centre for excellence in research oriented clinical care.

SWOC Analysis

Strengths:

Exquisitely structured management system of the organization with an unambiguous hierarchy.

Impeccable feedback system, with quick detention of stakeholder's grievances.

Immaculate Community-Social network with magnanimous presence in rural regions for social welfare and mass outreach

Prime location on arterial National Highway 58 connecting Delhi NCR with majority of Western Uttar Pradesh State.

State of the art Infrastructure, Unparalleled student centric facilities and One of its kind – Centre for Advanced Research in the entire region.

Immensely dedicated and experienced faculty committed to efficient teaching-learning process duly supported by a proficient administration.

The college treatment charges are much lower as compared to those in surrounding institutes delivering oral health care.

Weakness:

Lack of autonomy in curriculum development, although the institute gives timely suggestions to the regulatory bodies for curricular reinforcements.

Social and regional factors in the adjoining areas which pose a typical barrier for treatment strategy.

Low economic background of patients reporting to the institute thus elevating a need for more resources.

Opportunities:

Globally competent programs in collaboration with International enterprises molded to student's expediency are promising avenues to further enhance institute's visibility.

To begin with more modular courses extending beyond core curriculum of undergraduate and postgraduate courses, thus enriching professional acumen.

Enhancing student-teacher interaction by reducing Student teacher ratio.

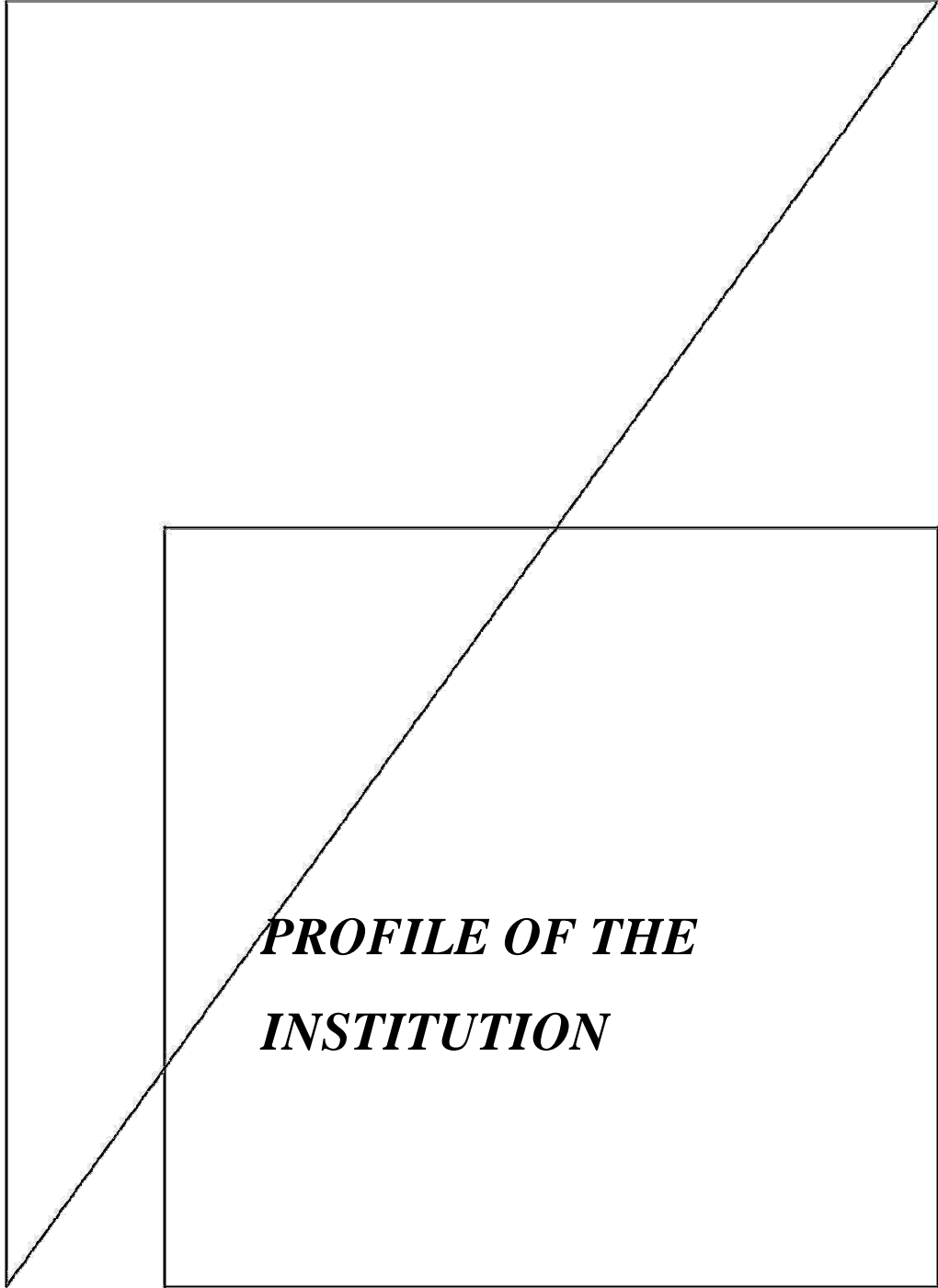
Expanding capacity of physical infrastructure with growing patient footfall.

To attract a larger number of quality corporate companies for campus recruitment drives.

Challenges:

To counsel patients for undergoing complete treatment owing to their sparse educational backgrounds.

To ameliorate course objectives so as to comply with dynamism of industrial settings in terms of employment and market absorption.



***PROFILE OF THE
INSTITUTION***

PROFILE OF THE INSTITUTION

Name and Address of the Institution:

Name :	I.T.S Centre for Dental Studies & Research		
Address:	Delhi- Meerut Road, Dist. Ghaziabad		
City:	Muradnagar	Pin: 201206	State: Uttar Pradesh
Website:	www.itsdentalcollege.com		

2. For communication:

Designation	Name	Telephone with STD code	Mobile	Fax	Email
Director	Dr Vinod Sachdev	01232-225380	9582374054	01232-225382	dir.dntl.gzb@its.edu.in
Principal	Dr Devi Charan Shetty	01232-225381	9811585670	01232-225382	prin.dntl.gzb@its.edu.in
Steering Committee/ IQAC Co-ordinator	Dr Devi Charan Shetty	01232-225381	9811585670	01232-225382	prin.dntl.gzb@its.edu.in

3. Status of the Institution:

Autonomous College

Constituent College

Affiliated College **Affiliated** State University

State Private University Central University

University under Section 3 of UGC (A Deemed to be University) Institution of National Importance

Any other (specify)

Type of University:

Unitary

Affiliating

Not Applicable

Type of College:

Ayurveda	<input type="checkbox"/>
Dentistry	<input checked="" type="checkbox"/>
Homoeopathy	<input type="checkbox"/>
Medicine Nursing	<input type="checkbox"/>
Pharmacy	<input type="checkbox"/>
Physiotherapy	<input type="checkbox"/>
Siddha	<input type="checkbox"/>
Unani	<input type="checkbox"/>
Yoga and Naturopathy	<input type="checkbox"/>
Others (specify and provide details)	<input type="checkbox"/>

Source of funding:

Central Government	<input type="checkbox"/>
State Government	<input type="checkbox"/>
Grant-in-aid Self-financing	<input checked="" type="checkbox"/>
Trust	<input checked="" type="checkbox"/>
Corporate	<input type="checkbox"/>
Any other (specify)	<input type="checkbox"/>

a. Date of establishment of the institution :

30th October , 2000.

b.

In the case of
university, prior to the establishment of the
university, was it a/an

i. Autonomous College	Yes	No
ii. Constituent College	Yes	No
iii. Affiliated College	Yes	No
iv. PG Centre	Yes	No
v. De novo institution	Yes	No
vi. Any other (specify)	Not Applicable	

In the case of college, university to which it is affiliated:

Chaudhary Charan Singh University

State the vision and the mission of the institution.

The core vision and mission of the institute are based upon foundations of social beneficence, ethical practice and national development, which are amenable to intervallic revisions owing to dynamic industrial and educational ecosystem; reciprocated clearly in institutional functions, operations and deliverance to its stakeholders.

The I.T.S-CDSR mission is **‘in service for a healthy nation’**. We at the I.T.S-CDSR believe that education is no longer **‘a one size fits all’** scenario. I.T.S has seized the opportunity to rethink and reposition itself to stay relevant and stay ahead using 3 key areas to propel it forward. Its vision has therefore encompassed

Curriculum innovation with newer teaching aids/methods.

Talent development: staff and students are encouraged on various academic and cultural platforms.

Strategic alliances: I.T.S-CDSR has formed a collaboration with the Tufts University, Boston to widen the academic quests of its students.”

Elaborating it further, the I.T.S Centre for Dental Studies and Research (CDSR) envisions to impart its students with abundant knowledge, so as to enable them to practice all the specialties of Dentistry, efficiently, in a diligent way while they show evidence of an empathetic attitude towards the patients with simultaneous maintenance of moral standards deemed as appropriate; along with continual innovation, eventually nurturing future Dentists who strive to leave an indelible mark of professional propensity and humanitarian ethos for generations to follow. The Mission of the institute, too, is dissected neatly keeping in focus the needs of its two key elements: Students and Patients.

Mission towards students – The mission of the institute towards its students is to endow them with adequate theoretical, practical and technical skills that equip them with ample resilience and know-how to confidently practice Dentistry, with utmost integrity in any given strata of population, irrespective of cast, culture and creed.

Mission towards patients – The I.T.S-CDSR firmly believes in the notion that a patient is the most important visitor to our college. It is thought that each patient teaches us a lesson that cannot be taught in any book or tome. It is further stressed upon in the institute’s mission that, the institute is not doing patient a favor by serving him/her, rather the patient is doing us a favor by giving us an unique opportunity to serve him/her. The mission dictates that the patient doctor relationship should be a life time strong bond, which will reinforce the patient’s oral as well as general health and also assuage his/her pain.

a. Details of UGC recognition / subsequent recognition (if applicable):

	Under Section	Date, Month and Year (dd/mm/yyyy)	Remarks (If any)
i.	2(f)*	21/06/2012	Recognized,
ii.	12B*	21/06/2012	Certificate attached at the end of the Profile

Enclose the certificate of recognition, if applicable

b. Details of recognition/approval by statutory/regulatory bodies other than UGC (MCI, DCI, PCI, INC, RCI, AYUSH, AICTE, etc.)

S.No	Under Section / Clause	Date, Month and Year (dd/mm/yyyy)	Validity	Program	Remarks
1.	Sub-section (2) of section 10 of the Dentists Act.1948 (16 of 1948)	05/07/2005	Permanent	BDS	Recognized*
2.		30/07/2013	Permanent	MDS (Prosthodontics)	Recognized*
3.		07/03/2016	Permanent	MDS (Oral Surgery)	Recognized*
4.		30/07/2013	Permanent	MDS (Orthodontics)	Recognized*
5.		30/07/2013	Permanent	MDS (Conservative)	Recognized*
6.		30/07/2013	Permanent	MDS (Periodontics)	Recognized*
7.		01/06/2015	Permanent	MDS (Pedodontics)	Recognized*
8.		26/09/2013	Permanent	MDS (Oral Pathology)	Recognized*
9.		28/09/2015	Permanent	MDS (Oral Medicine)	Recognized*
10.		21/06/2012	Permanent	MDS (Public Health)	Recognized*

(Enclose the Certificate of recognition/approval)

Certificates of recognition attached at the end of the Profile

Has the institution been recognized for its outstanding performance by any national / international agency such as DSIR, DBT, ICMR, UGC-SAP, AYUSH, WHO, UNESCO, etc.? If yes, name of the agency.

Yes

Name of the Agency: DSIR

Date of recognition: 01.04.2015, valid till 31.03.2018.

Nature of Recognition: To promote and encourage scientific research activities

Name of the Agency: ICMR
Date of recognition: Subsequent to recognition from DSIR.
Nature of Recognition: For grant of research fellowships and thesis grants.

Does the institution have off-campus centres?

If yes, date of establishment : (dd/mm/yyyy)
date of recognition by relevant statutory bodies: (dd/mm/yyyy): These are the satellite centre of the Institution.

Yes No

S. No	Name of off campus centre	Date of establishment	Date of Recognition
1	ITS Charitable Satellite Clinic, Nandgram	10.06.2013	-
2	ITS Mohan Nagar Satellite Clinic	31.12.2013	-
3	Shivalkhas Satellite Clinic	12.06.2014	-
4	MMG District Hospital Satellite Clinic*	02.06.2012	-
5	Sanjay Nagar District Hospital Satellite Clinic*	29.12.2010	-
6	Dasna DistrictJail Satellite Clinic	16.05.2010	-
7	Sultanpur Satellite Clinic	21.12.2016	-

Satellite Clinics opened in the Government District Hospitals

Does the institution have off-shore campuses?

Yes No

Location of the campus and area:

		Location *	Campus area in acres	Built up area in sq. mts.
i.	Main campus area	Urban	6.29 Acres	36587.42 Sq. Mts.
ii.	Other campuses in the country	Nil	Nil	Nil
iii.	Campuses abroad	Nil	Nil	Nil

(* Urban, Semi-Urban, Rural, Tribal, Hilly Area, any other (specify)

If the institution has more than one campus, it may submit a consolidated self-study report reflecting the activities of all the campuses.

Number of affiliated / constituent institutions in the university Not Applicable

Types of institutions	Total	Permanent	Temporary
Ayurveda			
Dentistry			
Homoeopathy			
Medicine			
Nursing			
Pharmacy			
Physiotherapy			
Siddha			
Unani			
Yoga and Naturopathy			
Others (specify and provide details)			

Does the University Act provide for conferment of autonomy to its affiliated institutions? If yes, give the number of autonomous colleges under the jurisdiction of the University.

Not Applicable

Furnish the following information:

Not Applicable as ITS-CDSR is an affiliated college, not a university

	Particulars	Number
a.	Accredited colleges by any professional body/ies	
b.	Accredited course / department by any professional body/ies	
c.	Affiliated colleges	
d.	Autonomous colleges	
e.	Colleges with Postgraduate Departments	
f.	Colleges with Research Departments	
g.	Constituent colleges	
h.	University Departments	
		Undergraduate
		Post graduate
	Research centres on the campus and on other campuses	
i.	University recognized Research Institutes/Centres	

Does the institution conform to the specification of Degrees as enlisted by the UGC ?

Yes No

Academic programs offered and student enrolment : (Enclose the list of academic programs offered and approval / recognition details issued by the statutory body governing the programs)

Programs	Number of Programs	Number of students enrolled
UG	BDS	4 Batches with 100 students per batch
PG	MDS - 9 specialties	Prosthodontics-6, Periodontics- 6, Oral Surgery-6, Orthodontics-6, Public health Dentistry-3, OralPathology-6, Pedodontics-6, Conservative& Endodontics-6, Oral Medicine& Radiology-5 (Total 50 students per year)
DNB		
Integrated Masters		
Integrated Ph.D.		
PharmD.		
M.Phil.		
Ph.D.		
Certificate		
Diploma		
PG Diploma		
D.M. / M.Ch.		
Sub / Super specialty Fellowship		
Any other (specify)	Oral Implantology course in association with Bioner Implants & Universidad Catolica San Antonia de Murcia (UCAM), Spain.	Batch 1 (2015): 37 students Batch 2 (2016): 40 Students

†
Provide information on the following general facilities (campus-wise):

Auditorium/seminar complex with infrastructural facilities		Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
Sports facilities					
Outdoor		Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
Indoor		Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
Residential facilities for faculty and non-teaching staff		Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
Cafeteria		Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
Health centre					
First aid facility		Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
Outpatient facility		Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
Inpatient facility		Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
Ambulance facility		Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
Emergency care facility		Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
Health centre staff		Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
Qualified Doctor	Full time		<input checked="" type="checkbox"/>	Part-time	<input type="checkbox"/>
Qualified Nurse	Full time		<input checked="" type="checkbox"/>	Part-time	<input type="checkbox"/>
Facilities like banking, post office, book shops, etc		Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
Transport facilities to cater to the needs of the Students and staff		Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
Facilities for persons with disabilities		Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
Animal house		Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Incinerator for laboratories		Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
Power house		Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
Fire safety measures		Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
Waste management facility, particularly bio-hazardous waste		Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
Potable water and water treatment		Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
Any other facility (specify).					

Working days / teaching days during the past four academic years

Year	Working days				Teaching days			
	2013	2014	2015	2016	2013	2014	2015	2016
Number stipulated by the Regulatory Authority	270	270	270	270	240	240	240	240
Number by the Institution	275	277	274	277	269	271	268	261

("Teaching days' means days on which classes/clinics were held. Examination days are not to be included.)

Has the institution been reviewed or audited by any regulatory authority? If so, furnish copy of the report and action taken there upon (last four years).

Yes, Institution has been reviewed /audited by the bodies such as Dental Council of India, Chaudhary Charan Singh University and ISO. (Reports of the last four years attached)

Number of positions in the institution

Positions	Teaching faculty					Non-Teaching staff	Technical staff
	Professor	Associate Professor/Reader	Assistant Professor/Lecturer	Tutor	Senior Resident		
Sanctioned by the Government	Same as stipulated by the regulatory authority mentioned below.						
Recruited							
Yet to recruit							
Sanctioned by the management/ society or other authorized bodies							
Recruited							
Yet to recruit							
Stipulated by the regulatory authority	17	33	26	-	-	108	62
Cadre ratio							
Recruited	29	25*	40	33	-	120	63
Yet to recruit	0	0	0	0	-	0	0
Number of persons working on contract basis	Nil	Nil	Nil	Nil	-	Nil	Nil

*9 Readers have been promoted as Professors

Qualifications of the teaching staff

Highest Qualification	Professor		Associate Professor / Reader		Associate Professor		Lecturer		Tutor / Clinical Instructor		Senior Resident	
	M	F	M	F	M	F	M	F	M	F	M	F
Permanent teachers												
D.M./ M.Ch.												
Ph.D./D.Sc./D.Litt / M.D./ M.S.	8	1	2	0								
PG (M.Pharm./ PharmD, DNB, M.Sc., MDS., MPT, MPH, MHA)	11	8	12	11			15	25				
AB/FRCS/FRCP/ MRCP/MRCS/ FDSRCS	1											
M.Phil.												
UG (BDS/MBBS)									19	14		
Temporary teachers: Nil												
Contractual teachers: Nil												
Part-time teachers: Nil												

Emeritus, Adjunct and Visiting Professors

	Emeritus		Adjunct		Visiting	
	M	F	M	F	M	F
Number	1*					

*Professor Emeritus

Distinguished Chairs instituted: Nil

Department	Chairs

Hostel

Boys' hostel

- i. Number of hostels: 1
- ii. Number of inmates: 74

Facilities: All the basic amenities including round the clock water supply and power back, mess, bedding, lodging, furniture and 24X7 Wi-Fi.

Girls' hostel

- i. Number of hostels: 3
- ii. Number of inmates: 302

Facilities: All the basic amenities including round the clock water supply and power back, mess, bedding, lodging, furniture and 24X7 Wi-Fi.

Overseas students hostel

- i. Number of hostels : Nil
- ii. Number of inmates
- iii. Facilities

* Hostel for interns: Interns are accommodated in the UG boys and girls hostel

* PG Hostel

- i. Number of hostels: 2
- ii. Number of inmates: PG girls hostel: 49; PG Boys: 31

Facilities: All the basic amenities including round the clock water supply and power back, mess, bedding, lodging, furniture and 24X7 Wi-Fi.

Students enrolled in the institution during the current academic year, with the following details:

Students	UG		PG						Integrated		M. Phil		Ph.D.		Integrated	
			PG		DM		MCH		Masters						Ph.D.	
	*M	*F	*M	*F	*M	*F	*M	*F	*M	*F	*M	*F	*M	*F	*M	*F
From the state where the institution is located	34	101	20	39												
From other states	78	147	79	11												
NRI students																
Foreign students																
Total	112	248	99	50												

*M-Male *F-Female

28. Health Professional Education Unit / Cell / Department

- o Year of establishment

Not Applicable

Number of continuing education programs conducted (with duration)

Induction

Orientation

Refresher

Post Graduate

Does the university offer Distance Education Programs (DEP)?

Yes

No

If yes, indicate the number of programs offered.

Are they recognized by the Distance Education Council ?

Is the institution applying for Accreditation or Re-Assessment ?

Accreditation

Re-Assessment

Cycle 1

Cycle 2

Cycle 3

Cycle 4

Date of accreditation* (applicable for Cycle 2, Cycle 3, Cycle 4)

Cycle 1:(21/04/2012), **Accreditation outcome/Result:** Grade A

Enclose copy of accreditation certificate(s) and peer team report(s)

Accreditation certificate enclosed at the end of Profile.

Does the university provide the list of accredited institutions under its jurisdiction on its website? Provide details of the number of accredited affiliated / constituent / autonomous colleges under the university.

Date of establishment of Internal Quality Assurance Cell (IQAC) and dates of submission of Annual Quality Assurance Reports (AQAR).

IQAC :(21/04/2012)

AQAR(i)	2012-13	20/09/2014
(ii)	2013-14	20/09/2014
(iii)	2014-15	08/04/2016
(iv)	2015-16	01/10/2016

Any other relevant data, the institution would like to include (not exceeding one page).

Kindly find attached narration relating to **Post Accreditation Activities** (Quality maintenance, quality enhancement and quality sustenance) in the subsequent pages.

चौधरी चरण सिंह विश्वविद्यालय, मेरठ
CH. CHARAN SINGH UNIVERSITY, MEERUT



Ref. No. Affil./ 2914
Dated : 2.1.2017

To WHOM IT MAY CONCERN

This is to certify that I.T.S. Centre for Dental Studies & Research, Murad Nagar, Ghaziabad (U.P.) is affiliated to the Ch. Charan Singh University, Meerut since 2000.

The following Course/Subjects are taught in the said college as per below mentioned approval.

Sl.No.	Courses	Duration	Affiliation
1-	BDS (100 Seats)	04 Yrs.	Permanent
2-	MDS		
	Public Health Dentistry (03 Seats)	03 Yrs.	Permanent
	Conservative (06 Seats)	03 Yrs.	Permanent
	Periodontics (06 Seats)	03 Yrs.	Permanent
	Prosthodontics (06 Seats)	03 Yrs.	Permanent
	Oral Pathology (06 Seats)	03 Yrs.	Permanent
	Pedodontics (06 Seats)	03 Yrs.	Permanent
	Oral Medicine (05 Seats)	03 Yrs.	Permanent
	Oral Surgery (06 Seats)	03 Yrs.	Permanent
	Orthodontics (05 Seats)	03 Yrs.	Permanent
	Orthodontics (01 Seat)	03 Yrs.	2016-17 (Temporary)

46
2017
Registrar

Attached True copy

Dr. Vinod Sachdev

Dr. Vinod Sachdev
Director-PG Studies
I.T.S Centre for Dental Studies & Research
Delhi-Meerut Road, Muradnagar
Ghaziabad - 201206

[TO BE PUBLISHED IN THE GAZETTE OF INDIA, PART-II SECTION 3, SUB SECTION (ii)]
GOVERNMENT OF INDIA
MINISTRY OF HEALTH AND FAMILY WELFARE
(DENTAL EDUCATION SECTION)

Nirman Bhavan, New Delhi
 Dated the 7th March, 2016


NOTIFICATION

S.O.....In exercise of the powers conferred by sub-section (2) of section 10 of the Dentists Act, 1948 (16 of 1948), the Central Government, after consultation with the Dental Council of India, hereby, makes the following amendments in Part-I of the Schedule to the said Act, namely:-

2. In the existing entries of column 2 & 3 against Serial No.56, in Part-I of the Schedule to the Dentists Act, 1948 (16 of 1948) pertaining to recognition of Dental Degree awarded by Ch. Charan Singh University Meerut (UP) in respect of "I.T.S. Centre for Dental Studies & Research, Ghaziabad" under the sub heading "Master of Dental Surgery", the following entries shall be substituted, namely:-

Entries	To be substituted by
Oral Surgery (if granted on or after 17.6.2009)	Oral & Maxillofacial Surgery (if granted on or after 17.6.2009) (From 3 to 6 seats, if granted on or after 19.5.2015)

No.V.12017/29/2009-DE


 (Pradip Kumar Pal)

Under Secretary to the Government of India.

To

The Manager,
 Govt. of India Press, Mayapuri
 Ring Road, New Delhi-110064

[TO BE PUBLISHED IN PART-II SECTION 3 SUB-SECTION (ii) OF GAZETTE OF INDIA]

GOVERNMENT OF INDIA
 Ministry of Health & Family Welfare
 Department of Health & Family Welfare

Nirman Bhavan, New Delhi
 Dated the 07 June, 2015


NOTIFICATION

S.O. In exercise of the powers conferred by sub-section (2) of section 10 of the Dentists Act, 1948 (16 of 1948), the Central Government, after consultation with the Dental Council of India, hereby, makes the following amendments in Part-I of the Schedule to the said Act, namely:-

2. In the existing entries of column 2 & 3 against Serial No.56 in Part-I of the Schedule to the Dentists Act, 1948 (16 of 1948) pertaining to recognition of Dental Degrees awarded by Ch. Charan Singh University, Meerut, under the sub-heading "Master of Dental Surgery" under the heading 'I.T.S. Centre for Dental Studies & Research, Ghaziabad', the following substitutions shall be made:

<u>Entry to be substituted</u>	<u>Substituted by</u>
Paedodontics (if granted on or after 20.4.2010)	Paedodontics and Preventive Dentistry (If granted on or after 20.04.2010) (From 3 to 6 seats if granted on or after 27.05.2014)

No.V.12017/29/2009-DE



(Sudhir Kumar)

Under Secretary to the Government of India

To,

The Manager,
 Govt. of India Press
 Mayapuri Ring Road,
 New Delhi.

(TO BE PUBLISHED IN GAZETTE OF INDIA, PART-II SECTION 3, SUB SECTION (ii))
GOVERNMENT OF INDIA
MINISTRY OF HEALTH AND FAMILY WELFARE
(DENTAL EDUCATION SECTION)

Nirman Bhavan, New Delhi
 Dated the 28th September, 2015

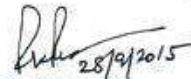
NOTIFICATION

S.O.....In exercise of the powers conferred by sub-section (2) of section.10 of the Dentists Act. 1948 (16 of 1948), the Central Government, after consultation with the Dental Council of India, hereby, makes the following amendments in Part-I of the Schedule to the said Act, namely:-

2. In the existing entries of column 2 &3 against Serial No.56, in Part-I of the Schedule to the Dentists Act, 1948 (16 of 1948) pertaining to recognition of Dental Degree awarded by Ch. Charan Singh University Meerut (UP) in respect of "I.T.S. Centre for Dental Studies & Research, Ghaziabad" under the sub heading "Master of Dental Surgery", the following entries shall be substituted, namely:-

Entries	To be substituted by
Oral Medicine & Radiology (if granted on or after 20.4.2011)	Oral Medicine & Radiology (if granted on or after 20.4.2011) From 2 to 5 seats, if granted on or after 19.5.2015)

No.V.12017/29/2011-DE


 (Pradip Kumar Pal)

Under Secretary to the Government of India.

To

The Manager,
 Govt. of India Press, Mayapuri
 Ring Road, New Delhi-110064

BY SPEED POST

F.No.V-12017/07/2014-DE
Government of India
Ministry of Health & Family Welfare
(Dental Education Section)

Nirman Bhavan, New Delhi
Dated the 26th September, 2014

To

The Secretary,
Durga Charitable Society,
Goodwill Building,
G.T. Road, Mohan Nagar,
Ghaziabad – 201007,
Uttar Pradesh.

Subject: Recognition of MDS Degree to be awarded by Ch. Charan Singh University, Meerut, for increase of seats in respect of MDS students of **I.T.S. Centre for Dental Studies & Research, Ghaziabad** – reg.

Sir,

I am directed to refer to Dental Council of India's letter dated 3.7.2014 on the subject cited above and to convey the approval of the Central Government to the recommendations of Dental Council of India for recognition of the MDS degree to be awarded by Ch. Charan Singh University, Meerut for increase of seats in the speciality of Oral Pathology & Microbiology from 4 to 6 seats, if granted on or after 23.5.2014 in respect of MDS students of I.T.S. Centre for Dental Studies & Research, Ghaziabad.

This issues with the approval of competent authority.

Yours faithfully



(Sudhir Kumar)

Under Secretary to the Government of India

Copy for information to:

1. The Secretary, Dental Council of India, Kotla Road, Temple Lane, New Delhi-110002.
2. The Secretary, Department of Medical Education, Section – 3, Govt. of Uttar Pradesh, Lucknow,
3. The Registrar, Ch. Charan Singh University, Meerut, Uttar Pradesh.
4. The Principal, of I.T.S. Centre for Dental Studies & Research, Ghaziabad.
5. ADG (ME), Dte. General of Health Services, Nirman Bhavan, New Delhi.
6. All Secretary/ Director (Medical Education) of all States/ Union Territories
7. Notification Folder / Guard file.

BY SPEED POST

No.V-12017/29/2009-DE
Government of India
Ministry of Health & Family Welfare
(Dental Education Section)

Nirman Bhavan, New Delhi
Dated the 30th July, 2013

The Secretary,
Durga Charitable Society,
Goodwill Building,
G.T Road, Mohan Nagar,
Ghaziabad - 201007,
Uttar Pradesh.

Subject: Recognition of MDS Degree to be awarded by Ch. Charan Singh University, Meerut, Uttar Pradesh, for increase of seats in the specialities of (i) Prosthodontics and Crown & Bridge from 4 to 6 seats (ii) Conservative Dentistry and Endodontics from 4 to 6 seats (iii) Orthodontics & Dentofacial Orthopedics from 4 to 5 seats (iv) Periodontology from 4 to 6 seats in respect of MDS students of I.T.S. Centre for Dental Studies & Research, Ghaziabad - reg.

Sir,

I am directed to refer to Dental Council of India's letters No.DE-15(97)-2013/D- 577 & 581 dated 21.6.2013 on the subject cited above and to convey the approval of the Central Government to the recommendations of Dental Council of India for recognition of the MDS degree to be awarded by Ch. Charan Singh University, Meerut for increase of seats in the specialities of (i) Prosthodontics and Crown & Bridge from 4 to 6 seats, if granted on or after 22nd May, 2013 (ii) Conservative Dentistry and Endodontics from 4 to 6 seats, if granted on or after 22nd May, 2013 (iii) Orthodontics & Dentofacial Orthopedics from 4 to 5 seats, if granted on or after 23rd May, 2013 (iv) Periodontology from 4 to 6 seats, if granted on or after 21st May, 2013 in respect of MDS students of I.T.S. Centre for Dental Studies & Research, Ghaziabad.

This issues with the approval of competent authority.

Yours faithfully


30/7/13
(Anita Tripathi)

Under Secretary to the Government of India

Copy for information to:

1. The Secretary, Dental Council of India, Kotla Road, Temple Lane, New Delhi-110002.
2. The Secretary, Department of Medical Education, Section - 3, Govt. of Uttar Pradesh, Lucknow.
3. The Registrar, Ch. Charan Singh University, Meerut, Uttar Pradesh.
4. ADG (ME), Dte. General of Health Services, Nirman Bhavan, New Delhi.
5. All Secretary/ Director (Medical Education) of all States/ Union Territories
6. Notification Folder / Guard file.


30/7/13
(Anita Tripathi)

Under Secretary to the Government of India

(TO BE PUBLISHED IN PART-II, SECTION 3 OF THE SUB-SECTION (ii) OF THE GAZETTE OF INDIA)
GOVERNMENT OF INDIA
MINISTRY OF HEALTH & FAMILY WELFARE

Nirman Bhavan, New Delhi
Dated the 21st June, 2012

NOTIFICATION

S.O... In exercise of the powers conferred by sub-section (2) of section 10 of the Dentists Act, 1948 (16 of 1948), the Central Government, after consultation with Dental Council of India, hereby, makes the following amendments in Part-I of the Schedule to the said Act, namely: -

2. In the existing entries of column 2 & 3 against Serial No.56, in respect of I.T.S. Centre for Dental Studies & Research, Ghaziabad, in part-I of the Schedule to the Dentists Act, 1948 (16 of 1948) pertaining to recognition of dental degrees awarded by Ch. Charan Singh University, Meerut, the following entries shall be inserted thereunder:

“ (ii) Master of Dental Surgery

- Public Health Dentistry
(if granted on or after 24.4.2012.)

MDS (Public Health Dentistry), Ch. Charan Singh
University, Meerut.

No.V-12017/71/2005- DE*

(Anita Tripathi)
Under Secretary to the Govt. of India

To,

The Manager,
Govt. of India Press,
Mayapuri Ring Road,
New Delhi.

Copy for information to:

- 1) The Secretary, Dental Council of India, Kotla Road, Temple Lane, New Delhi-110002 with a request to obtain the copy of the Gazette Notification from Press and furnish at least two copies to this Ministry.
- 2) The Secretary, Department of Medical Education, Section – 3, Govt. of Uttar Pradesh, Lucknow,
- 3) The Registrar, Ch. Charan Singh University, Meerut, Uttar Pradesh.
- 4) The Principal, I.T.S. Centre for Dental Studies & Research, Delhi – Meerut Road, Ghaziabad – 201206, U.P.
- 5) ADG (ME), Dte. General of Health Services, Nirman Bhavan, New Delhi.
- 6) All Secretary/ Director (Medical Education) of all States/ Union Territories
- 7) Notification Folder / Guard file.

(Anita Tripathi)
Under Secretary to the Govt. of India

(TO BE PUBLISHED IN PART-II, SECTION 3 OF THE SUB-SECTION (ii) OF THE GAZETTE OF INDIA)

GOVERNMENT OF INDIA
 MINISTRY OF HEALTH & FAMILY WELFARE
 (DEPARTMENT OF HEALTH)

Nirman Bhavan, New Delhi
 Dated the 5/7/2005

NOTIFICATION

S.O... In exercise of the powers conferred by sub-section (2) of section 10 of the Dentists Act, 1948 (16 of 1948), the Central Government, after consultation with Dental Council of India, hereby, makes the following amendments in Part-I of the Schedule to the said Act, namely: -

2. In the existing entries of column 2 & 3 against Serial No.56, in part-I of the Schedule to the Dentists Act, 1948 (16 of 1948) pertaining to recognition of dental qualification in respect of I.T.S. Centre for Dental Studies & Research, Ghaziabad, Uttar Pradesh awarded by Chaudhary Charan Singh University, Meerut, Uttar Pradesh, the following entries shall be inserted under: -

"II. I.T.S. Centre for Dental Studies & Research, Ghaziabad, Uttar Pradesh

(i) Bachelor of Dental Surgery
 (When granted on or after 22.04.2005).

BDS, Ch. Charan Singh University
 Meerut."

No.V-12017/15/2000-PMS

(A.K.Singh)

Under Secretary to the Government of India

10. The Manager,
 Govt. of India Press,
 Mayapuri Ring Road,
 New Delhi.

Ph. 23236351, 23232701, 23237721
23234116, 23235733, 23232317
23236735, 23239437, 23239627

Extension No. 413 (CPP-I Colleges)
UGC Website: www.ugc.ac.in
F. No. 8-379/2005 (CPP-I/C)



विश्वविद्यालय अनुदान आयोग
बहादुरशाह जफर मार्ग
नई दिल्ली-110 002
UNIVERSITY GRANTS COMMISSION
BAHADURSHAH ZAFAR MARG
NEW DELHI-110 002

June, 2012

The Registrar,
Ch. Charan Singh University,
Meerut (Uttar Pradesh).

21 JUN 2012

Sub: List of Colleges prepared under Section 2 (f) of the UGC Act, 1956. Upgraded of College from Under Graduate (UG) to Post Graduate (PG) level.

Sir,

With reference to the letter dated 12.06.2012 received from the Principal, **I.T.S. Centre for Dental Studies & Research, Delhi – Meerut Road, Murad Nagar, Ghaziabad, Uttar Pradesh – 201 206** on the above subject I am directed to say that name of the following college has already been included in the list of colleges under Section 2 (f) of UGC Act, 1956 under the head '**Non-Government** Colleges teaching upto **Bachelor's** degree now it has been upgraded upto **Master's** degree':-

Name of the College	Upgradation in the list of Colleges
I.T.S. Centre for Dental Studies & Research, Delhi – Meerut Road, Murad Nagar, Ghaziabad, Uttar Pradesh – 201 206.	Now, the College has been included in the list of Colleges under Section 2 (f) & 12 (B) of UGC Act, 1956 under the head Non-Government Colleges teaching upto Master's degree.

Yours faithfully,

(M.K. Rewari)
Under Secretary

Copy to:-

1. The Principal, I.T.S. Centre for Dental Studies & Research, Delhi – Meerut Road, Murad Nagar, Ghaziabad, Uttar Pradesh – 201 206.
2. The Secretary, Government of India, Ministry of Human Resource Development, Department of Secondary & Higher Education, Shastri Bhawan, New Delhi - 110 001.
3. The Secretary (Higher Education), Government of Uttar Pradesh, 8B, Navin Bhawan, UP Sachivalaya, Lucknow – 226 001, (Uttar Pradesh).
4. The Joint Secretary, UGC, Northern Regional College Bureau (NRCB), 35, Ferozeshah Road, New Delhi – 110 001.
5. Publication Officer (UGC-Website), New Delhi.
6. Section Officer (FD-III Section), UGC, New Delhi.
7. Guard file.

(M.K. Rewari)
Under Secretary





***POST ACCREDITATION
ACTIVITIES***

POST ACCREDITATION ACTIVITIES

(Quality Sustenance And Enhancement Measures Undertaken By The Institute Since The Last Accreditation.)

It is a well established notion that the stringent yardstick assessment adopted by the National Assessment and Accreditation Council (NAAC) is based upon several criterions, which are palpable benchmarks of excellence for an institute akin the I.T.S Centre for Dental Studies and Research (CDSR), awarding professional higher education. From the time when the initial „A“ grade accreditation was accorded by the NAAC, a plethora of measures have been consistently introduced and implemented by the I.T.S CDSR aimed primarily in Quality Improvement, Quality Sustenance, and Quality Enhancement. The ensuing measures have been espoused keeping in view the vibrant ecosystem of the Dental Health and Education Sector, which over the erstwhile years has witnessed evident metamorphosis. The subsequent narration illustrates multitudinous ventures endeavored by the institute to reinforce quality maintenance, quality sustenance and quality enhancement measures.

„**The Centre for Advanced research**“ was formulated for providing the state of the art facilities to our students and faculty for assistance and promotion of research in the field of oral and dental health care. The centre is well equipped with all facilities pertaining to research areas in Bio-medical sciences, Metallurgical studies and Genomic domains of work. The center has a Research Co-ordinator, and two Assistant Co-ordinators for supervising advanced research. The material in the centre is provided free of cost to students for research purposes. Over the time the center has gained commendable repute such that the students from various parts of Delhi NCR along with other zonal regions of Northern India have periodically visited the center for performing their research work, since the facilities available are unique. The center is gradually progressing towards capitalizing on areas of newer research akin molecular genetics, disease markers, material standardization which are conceptualized and worked upon in an absolute systematic manner.

Convincingly, patient management and clinical material has always been an integral part of teaching-learning process. For effective management of the clinical material, e-governance strategies in the form of **ORION SOFTWARE** has been implemented. In recent years, this has regulated the **Patient Management** in an organized pattern thus facilitating governance effectively. Category wise treatment reports are generated at the end of every working day and analyzed for any discrepancy with respect to work step completion, treatment done and bill generation. The Patient waiting time has been drastically reduced and this has in turn increased the daily output as well as better patient record maintenance. To supplement this strategy of patient management, a **Clinical audit** is conducted regularly by Senior experts where few cases are randomly screened and analyzed for procedural errors, which is consequently conveyed to the treating physician for correction and necessary improvements.

It is evident that the importance of Oral Implantology has been stressed upon in recent years worldwide and the institute has taken progressive steps to address this evolving demand of students and has signed a memorandum of understanding with **The Bioner Implants, Spain**. In collaboration with the Bioner Implants (Spain), the institution has organized an Oral Implantology course cum training program for training the students and faculty members finished. Interns and final year students were part of this exclusive program where they have placed two implants each in anterior and posterior regions of the oral cavity. The course is certified by the International Congress of Oral Implantologists and the **Universidad Catolica San Antonio de, Murcia (UCAM), Spain**. All the clinical and academic modules are conducted in association with renowned international and national implantologists. Faculty members from the Department of Prosthodontics, Oral Surgery and Periodontics are an active part of the teaching program. A unique, one of a kind, „**Center for Oral Implantology**“ has also been established in the institute after the first accreditation cycle.

Another conspicuous endeavor with a purpose of amelioration in postgraduate curriculum by the institute has been initiation of „**Comprehensive Dentistry Program**“ particularly for students belonging to non-clinical Dental domains. Under the ambit of this program, students from the Departments of Oral and Maxillofacial Pathology, Oral Medicine and Radiology & Public Health Dentistry, are rigorously up skilled in General Dentistry regimen, so that they learn techniques and procedures deemed essential for rendering treatment at basic level. The success of the program can be gauged from the mere fact that other institutes in the region have also adopted this pioneering concept for their postgraduate students.

The institute recently registered its ethical committee with the Ministry of Health and Family Welfare, Government of India under Rule 122DD of the Drugs & Cosmetics Rules 1945, amongst one of the very few institutions, with Dr. S. K Gupta, PhD; DSc, Retired Pharmacologist, AIIMS, New Delhi as the chairman. All research protocols of the students and the faculty are taken up after seeking due approval from the institutional ethics committee. The college is also recognized by the Department of Science and Industrial Research (DSIR) which monitors and addresses issues related to research, which has facilitated seeking extramural grants from acclaimed agencies like the Indian Council of Medical Research (ICMR). During the last four years, the institute’s students have been granted Senior Research Fellowships and Thesis grants from the ICMR. Additionally, the “**Journal of Dental Specialties**” (**JDS**) –an official publication of I.T.S group of Dental Institutions was launched and the first issue was released on March 2013 and we have been publishing the Journal bi-annually, every year since then. The mission of this scientific journal is to provide a forum for publishing recent advances, original research studies, high quality case series and meta-analysis based systematic reviews, pertaining to dental health and related issues of population and community. The journal is listed in EBSCO international, SIS database, OAJI, Academic keys, Cite factor, HINARI, ASI Index and JI Factor bibliography listings. The students are encouraged to undertake research projects and publish their original research work in Pubmed Indexed journals.

The college has witnessed an exponential growth in its number of publications especially in journals which are PubMed indexed.

At present, dental Science is a dynamic research based field with new developments occurring around the globe every year, documented in increasing numbers every year. To keep abreast with the recent advancements and to broadcast clinical knowledge amongst all specialties, introduction of **Integrated Academic Reinforcement & Curriculum Enhancement (IARCE)** practice addressed this context in a well thought-out way. This Concept of IARCE is based on core philosophy of integrated learning via consistent up gradation of existing syllabi and incorporating newer facets of educational learning techniques such as Medical Education Technology (MET) in form of MS Power point Presentations. The institute has put in use „**Dolphin**“ software for patient as well as postgraduate education, based on dictum of “*Ten times told ain't worth once seen.*” Simulation of orthodontic and orthognathic surgical treatment is done via this software, which helps the patients to visualize results of treatment before it is being even begun and is a valuable educational tool.

Active Participation of Students and Faculty creates a highly competitive environment resulting in rich transactions of knowledge, treatment practices and alternative viewpoints. The context of IARCE is practiced in letter and spirit. Another facet to integrated teaching is the coordination between various departments to teach different aspects of a topic simultaneously, for example, the concepts of anatomy, physiology and pathology of TMJ may be taught concurrently with clinical exposure to these cases through early induction program. „**Early Induction of Undergraduate Students**“ is a unique concept introduced under the patronage of IARCE, newly by the institute, wherein first year and second year BDS students are posted on rotational basis in dental clinics. The key objective of this scheme is to accustom the fresher students with the world of clinical dentistry, by letting them closely discern the day-to-day proceedings of patient management.

The institute has embodied a designated academic committee, focused at reappraising the teaching methodology for every new academic session, together with bolstering of the **Course Curriculum**. This is achieved on premise of inclusive interactions and unfeigned feedbacks received both from faculty members as well as the students. Subject specific courses and hands on workshops have been added lately as per revised recommendations of the academic committee. An integrated teaching methodology has been encouraged through a structured teaching program right from the inception of undergraduate course.

Curriculum enrichment is ensured in form of a minimal 5% addition of new Study material every academic year. Based upon the Tutorials, Discussions, Viva voce, Internal assessments, Assignments and Terminal exams, slow and advanced learners are precisely identified. There is a provision for „**Tutorials / Amendment classes**“ not only for slow learners but also for competent students, where some complex topics are taught extensively to make them understand the multifaceted issues of professional well being. Few topics, on request of students are also considered.

Compulsory Library hours are designated for the each batch to uphold an academic environment. Advanced learners are encouraged to participate in national and international conferences to present scientific posters and/or papers.

The students were constantly encouraged, during recent years, to attend various national and international conferences, Continuing Dental Education Programs (CDE's) and present scientific papers, posters and table clinics. New Innovations were introduced, like Evidence based learning through lectures and peer group discussions, „**Flip Learning**“ (Live Demonstration of latest techniques followed by discussions), „**Clinical grand rounds**“ too have been introduced on monthly basis for Interns, and faculty, in addition to previously schedule of conduction for postgraduate students, to upgrade and learn recent advances in dentistry. Topics for the presentations are chosen at beginner's level for the graduate students. Various add on courses have been instituted including, added training of advanced statistical software during „**Biostatistics classes**“ for postgraduates, as per the DCI norms.

To revamp the learning resource infrastructure, the I.T.S CDSR has installed a „**Cone Beam Computerised Tomography (CBCT) Machine**“ to augment the diagnostic acumen of the faculty and students. To buttress learning, Continuing Education Programs (CDE's) are regularly conducted on CBCT functioning, wherein postgraduate students and faculty are trained at length to understand and assimilate the fundamentals of this latest modality.

With a growing number of patients and an increased demand felt for aesthetic crowns and bridges, the institute has installed an „**Advanced CAD-CAM System**“, which would not only provide the postgraduate students with a hands on experience of the latest technology, but also would dispel patient waiting time.

Very recently, owing to progressions in the sphere of „**LASER Dentistry**“, the institute has extended support to its faculty members to gain added exposure in this field and has endorsed their advanced training in Austria, Europe. To widen the scope further, the institution is also hosting a National LASER conference in the year 2017. The entire process is materialized by procuring a Soft tissue LASER unit; hard tissue LASER acquisition being in the offing.

The institution believes in regularly **Recuperating its Infrastructure**. Infrastructure development over the recent years has involved, construction of „**Two State of the Art Auditoriums**“ which can accommodate up to 250 people for a comfortable conduction of Continuing Dental Education Programs, Scientific Conferences and Specialty Workshops. The auditoriums are centrally air conditioned boasting of exquisitely designed audio-visual facilities and plush seating. With an enhancement in the intake of the postgraduate students in various departments lately, the institution considered the need of capacity expansion. Thus, a „**New Wing**“ has been added to the college building, which is in continuation with the Department of Orthodontics, Department of Conservative dentistry, Department of Prosthodontics and Department of Oral Surgery. This has resulted in not only lubricating the patient movement within the departments, but has also

provided the students with additional space for a convenient passage. The college is in the process of erecting its own „**Sports Complex**“ for an overall development of the students. This resource shall be accompanying the vast expanses of grounds already existing for outdoor activities.

Renovation and Overhaul of the services provided is thought to be a basic norm in the institute’s maintenance doctrine, which can be exemplified in steps including, **Refurbishing of the Central College Library, Medical Hospital and Washroom areas**, both in the academic section as well as the hostel wings. This action is in addition to the regular upkeep of the campus area. The institute , on a yearly basis, acquires and replaces 30 New Dental Chairs for maintaining exemplary standards of working. In addition to this, Special „**Left Handed Chairs**“ have also been purchased to provide hassle free facility for left-handed operators.

The institution also acknowledges that it has a **Corporate Responsibility** to the society which is giving so much to the institution. To meet this end, in addition to up grading and increasing the number of satellite centers, the institute has resorted to „**Village Adoption: Sultanpur Village**“. There is an existing provision of „**Seven Satellite Centres**“ where the students and faculty members provide treatment to the patients at highly subsidized rates. Free dental and medical check up camps along with free treatment to residents of this village is also provided. The institute is also working for the upliftment of this adopted village. By virtue of these initiatives, quality amplification is rendered in community health scenario ultimately leading to more clinical material to the college. To further exalt rural outreach enterprise, the institute has recently acquired a „**Hi-Tech Mobile Dental Van**“, fitted with two ultra modern dental chairs, with an intent to reciprocate similar treatment facilities to rural masses as practiced in the clinical settings of the institutional hospital. The patients are also treated in „**Dasna Jail**“ by college team. **Evening Clinics and Express Cards** are available for patients who have shortage of time. Their treatment is facilitated on priority basis.

To enhance quality further, the institute has also emboldened the undergraduate and postgraduate students, in past couple of years, to actively participate in the „**Public health camps**“ organized for community health and cater to oral health care necessities, by providing basic dental treatments along with awareness on oral hygiene through motivational programs such as „**No Tobacco day, Oral health day, Elderly day, and Children’s day**“. Specialized hygiene awareness camps have also been organized at nearby schools and community centres, where the masses were educated about maintenance of hygiene, and proper hand washing techniques.

The institute plans to commence „**Vocational dental camp**“ for the students of class 8th to 12th studying in various schools in Ghaziabad beginning march 2017, wherein the school students shall also explore dentistry as a career option. The institute has also started a fully functional „**Tobacco cessation clinic**“ to provide counseling to tobacco users. The institution maintains a strong belief that through these programs, students can be motivated for the need of oral health care in the community and a sense of empathy be infused in them for the suffering masses, thus enhancing gross quality.

In addition to curriculum enrichment, student support also forms an integral part of quality maintenance and enhancement measures. During the orientation programs, the differential requirements of the students, were recognized and necessary actions carried out. All undergraduate students have undergone a detailed one on one session with the „**College Counselor**“ for assessment of diverse needs of the student. Very recently, the institute has also introduced an „**Online chatting system**“ for the students and parents with precise allotted time, where faculty members answer their queries instantly. Any other problems that the students face can easily be brought into the notice in a very simple and effective way. At the postgraduate level, the admitted students are analyzed based upon their parent institution of graduation. In case, no add on courses like Practice Management, Oral Implantology, Patient software entry were available in their previous Institution ,then they are trained and brought to the level of their contemporary PG students in due course of time.

The basic objectives of the graduate and post graduate courses are to provide knowledge, skill and optimum attitude to the students. The institution has felt that there existed a lag in the curriculum as far as nurturing of the student“ outlook is concerned. The attitude aspect, in turn, encompasses the concepts of communication, explanation and management of the patients. To overcome these drawbacks the institute has incorporated two programs in its curriculum, namely: „**Personality Development Program**“ which focuses on self grooming and etiquette part of a doctor and „**Practice Management Program**“ which deals with management and planning of patient treatment reporting to private practice. Patient management and billing is taught which is not part of regular curriculum. These programs have tangibly improved learning outcomes of the students of the I.T.S CDSR.

The college abides by dogma of innovative and fresh learning with inculcation of newer techniques. „**Student Awards**“ have been introduced as crucial mechanism of enhancing student output. The institute not only awards the students who achieve merit ranks in the university examination but also to those students who have shown the maximum improvement in their own ranking over the previous years. This feature not only recognizes the efforts of students lagging behind but also motivates them to do better next year.

The institute has also instituted a „**Young Researcher Award**“ for supporting and promoting innovative thinking of the students (both undergraduates and postgraduates). The students are encouraged to take up a research project on any clinical innovation of their choice and then submit a proposal to the IQAC. This is subsequently discussed with the „Research Committee“ as well as „Ethics Committee“. The selected projects are eventually granted financial assistance by the institution. Clinical practice management program too has been conducted by note worthy experts. The program has bestowed clinical management skills to raise the standard of clinical practice of the students as well as faculty members.

In the wake of students exhibiting an inclination for further studies outside the country, the college has started an exchange program with the „**Tufts University, USA**“ to give our students a first hand experience and exposure on international platform. This has strengthened the student network of the

institute and also enriched the quality of interaction amongst the student community.

Besides the academic curriculum, the institute arranges for various extra-curricular events and programs such as „**Euphoria and Occlusion**“. Euphoria is a Cultural Fiesta organized every year to endorse art and culture. The institute strives to achieve 100% participation of students in one or the other event. It is chiefly an inter batch competition spread over three days during which faculty and students participate together. Occlusion is an annual festival of the ITS CDSR, which is highlighted by a celebrity performance dubbed as “celebrity night”. The two day event witnesses an enthusiastic participation from medical and dental colleges from various parts of the country.

The institute promotes and encourages equal rights for the female staff, with inclusion of an Active Women Cell. „**Women’s Day Celebrations**“ with the entire female faculty on 8th March is celebrated every year. For all kinds of physical health issues, the institute has an in campus 100 bedded Surya Hospital with doctors available round the clock. The OTs are fully equipped to handle emergencies, trauma etc. Every year, „**Hepatitis Vaccination program**“ is conducted for students and staff members of the institute. Cervical cancer and breast cancer awareness program is also conducted for the female staff regularly.

The institute has an inclusive policy as far as leadership and governance is concerned where development of **leadership at all levels** is encouraged. To address grievances of stakeholders, the institute has a highly organized and **well structured complaint management system**. The online system receives a complaint lodged by a student to a student supervisor or concerned faculty member. The complaint system follows a gradual escalation policy, wherein if the complaint is not resolved within the stipulated time period, it shall be retransmitted to the next higher authority. There is also an **online feedback** system for the students through which any complaint or problem may be looked into for swift resolution.

Another quality maintenance agenda, comprising of faculty assessment was originated through student’s feedback system where faculty is evaluated on closed door basis and individually apprised for areas of improvement. The institution has a role for every member in its fold and all are given their duty roster. Based on the work, the faculty and staff members have to fill their key **performance indicator** which are reviewed by their respective superiors. This process helps to evaluate the performance of various staff members and to understand any difficulties being faced by the staff members.

The college also conducts „**Leadership Training Programs**“ for its faculty in an attempt to groom the young members of its faculty for future responsibilities that they may usher in due course of time.

The institute has initiated mentionable measures and conscious efforts towards environmental protection as a key element of its „**Corporate Social Responsibility (CSR)**“. Appreciating the magnitude of renewable resources of clean energy, the I.T.S CDSR has embraced „**Solar power, Water**

Harvesting and Reduction of unnecessary electricity exploitation in routine operations.

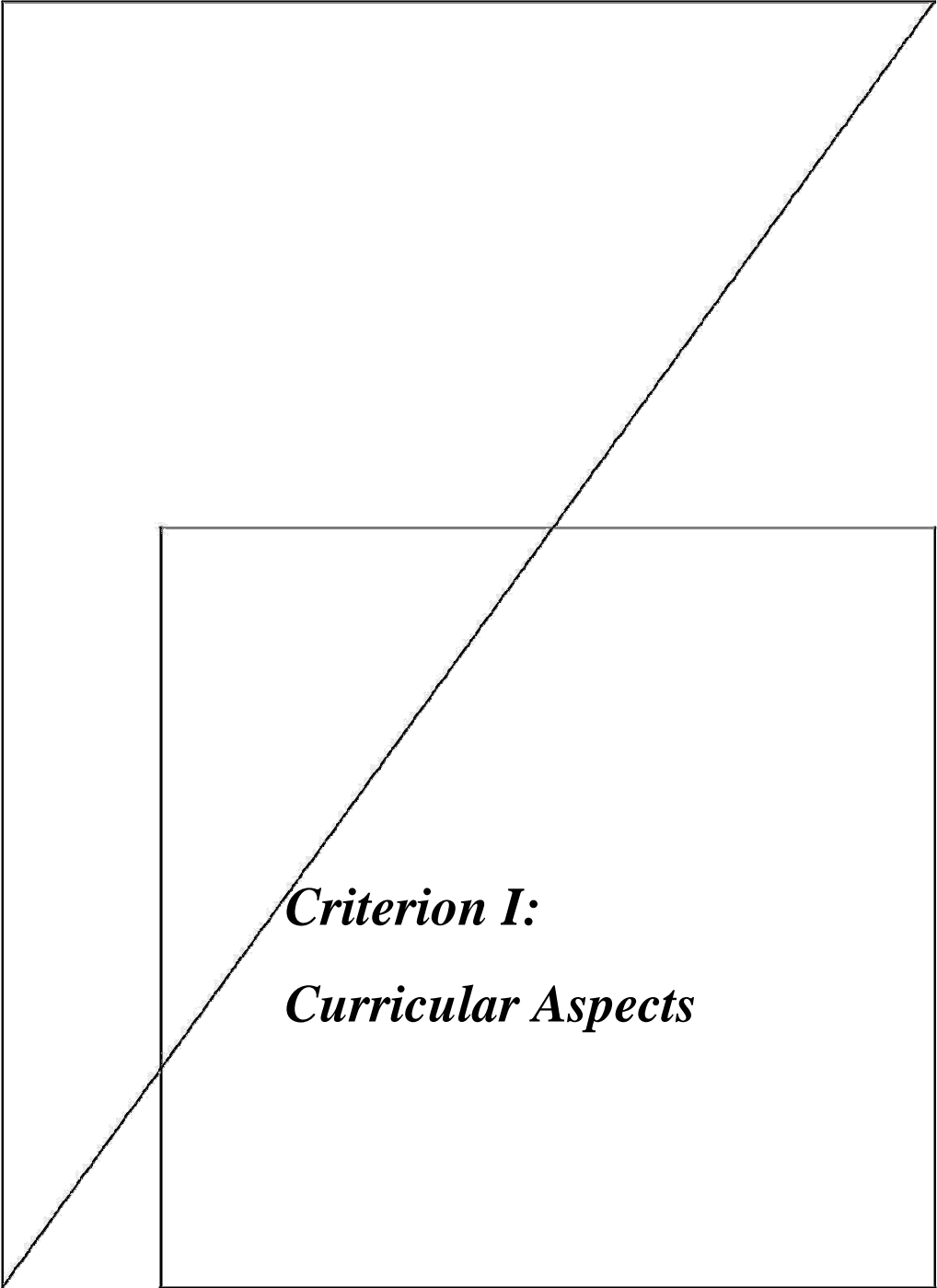
The management ensures that institutional activities should not blatantly harm the environment thus conserving its integrity. **“Save Electricity-Save Environment”** stickers are put near the every switch board of the institute as a gentle reminder to prevent redundant electricity usage. There are a total of 325 Solar panels on rooftop of Dental OPD section of the institute, generating 86 KW of electricity; and around 168 Solar panels on rooftop of Bio-technology section, generating 44 KW of electricity. Thus, a total of 130 KW of electricity is generated with natural resources, which is distributed evenly via a centralized control panel room.

Plantation Drives are a regular feature of the institute to promote expansion of green coverage in and around the campus. Efforts to minimize wastage of paper by using **„ORION”** software for OPD have been materialized, and use of bio-metric for staff attendance has gradually abolished paper based records. Additionally, integrated **„ERP”** software to deal with student attendance, online management of staff leaves, and online circulation of circulars/information using college email-id has drastically reduced the usage of paper thus promoting energy conservation.

„Bio-medical Waste”, which is generated in a sizeable amount, is daily segregated at source i.e. Clinical work stations; and all the students along with the staff are encouraged to dispose waste as per standard colour coding guidelines. Well designed posters depicting colour coding near dustbins for proper disposal of waste are displayed at appropriate places. The waste is collected from each department by auxiliary staff with induction of adequate safety measures and handed over to Bio-medical waste disposal agency. In addition, Radiological waste is also duly taken care of by following **„AERB”** guidelines and appropriately disposed off. The college also has a dedicated **„E-Waste Management”** policy which is implemented to match the need of the hour.



***CRITERIA WISE
ANALYTICAL REPORTS***



CRITERION I: CURRICULAR ASPECTS

1.1 Curriculum Design Planning and Development

1.1.1 Does the institution have clearly stated goals and objectives for its educational program?

Yes, the Institution has clearly stated goals and objectives for its graduation (BDS) and post-graduation (MDS) programs. The goals and objectives can be visualized in following structured form:

Undergraduate (BDS) program

Goals

The goals of institution is to endow undergraduate students primarily with apposite knowledge, relevant skills and equitable attitudes imperative for carrying out all undertakings appropriate to basic dental practice which includes prevention, diagnosis and treatment of anomalies and diseases of orofacial and associated regions. The graduate also must fathom the concept of community oral health education and be able to partake in the rural oral health care delivery sequencers existing across the country.

Objectives

Knowledge and Understanding

To bind knowledge and understanding in tandem, the objectives are elaborated as under:

Undergraduate students should attain ample knowledge of scientific basis upon which dentistry is founded and also have a conceptual understanding of diverse scientific approaches and principles of biological functions. They should further cultivate an ability to evaluate and analyze various recognized facts and data concretely.

Students should be thoroughly familiar with growth, development and function of the constituent tissues of Dentofacial region, both in health as well as disease with their effect on general state of health and social well-being learnt from a cause-effect perspective.

Dissemination of suitable knowledge in clinical disciplines and protocols, which provide an intelligible picture of pathologies of oral genesis with equal emphasis on preventive, diagnostic and therapeutic domains of dentistry.

To provide prolific clinical experience required for practicing general dentistry with a gradual inclination towards advanced treatment care.

Skills

A student should be able to imbibe the succeeding skills considered indispensable for practice of dentistry, which are listed as:

Diagnose and manage various common dental sufferings encountered in general dental practice, keeping in mind the expectations and inherent right of the society to receive the best possible treatment, wherever and whenever possible.

Prevent and manage impediments, if encountered, while carrying out various surgical and technique sensitive procedures.

Carrying out baseline investigative measures, infer and ascertain a correlation with laboratory findings.

Promote oral health and play a vital role of in prevention of oral diseases.

Control pain and anxiety amongst prospective apprehensive dental patients.

Attitudes:

The key objectives for realizing anticipated attitudes are highlighted as:

Willingness to apply the core fundamentals of dentistry in the best interest of patient and community at large.

A persistent need to maintain high standards of professional ethics, honesty, integrity and conduct and their application in various aspects of professional life.

Disposition to participate in the continuing dental education programs so as to update evidence based knowledge and clinical proficiency from time to time.

Aid and participate in the implementation of the national oral health policy.

Hone communication skills and be competent to explain several options available in management.

Be humble to accept the limitations in his/her expertise and readiness to call for assistance from colleagues, as and when needed.

Postgraduate (MDS) program

It is assumed that the postgraduate students joining our institute have already assimilated the basic goals during their graduation. The institute further reinforces these accomplishments with ensuing goals and objectives:

Goals

The enrolled student must be able to practice the specialty diligently, duly endorsed with empirical findings and substantiation.

The student should continue to manifest keen interest in continuing professional education in the concerned specialty and allied specialties also, irrespective of whether in teaching or practice.

To encourage fervent sharing of knowledge and skills in peer group and clinical settings.

To develop the faculty for critical analysis and evaluation of various concepts and views while adopting the most rational approach.

Objectives

Knowledge and understanding

Major objectives to coalesce knowledge and understanding during the post graduate curriculum are summarized as:

Exhibition of basic science acquaintance relevant to specialty.

Ability to describe etiopathogenesis, principles of diagnosis and management of specialty specific manifestations.

Recognition of social, economic, environmental and emotional determinants in a given case and their inclusion in operational treatment plan.

Acknowledging conditions that may be outside the area of specialty/sphere and fitting referral to concerned specialist.

Commence audit, use information technology and carry out real time research, with an aim of publishing and presenting the original work at acclaimed scientific deliberations.

Skills

The prime objectives of skill development in MDS regime are

To enable the resident in formulating proper clinical history, patient examination and performing essential diagnostic procedures in order to determine correct diagnosis by judiciously differentiating other conditions deemed likewise in the scientific literature.

To obtain adequate skills and know-how in delivering standard procedures as explained in the specialty coursework.

Human values, ethical practice and communication abilities

Following viewpoints constitute key objectives of values and abilities practiced in post graduate study:

The institution believes in delivering empathetic patient care irrespective of social status, caste, creed or religion of the patient.

To groom leadership and incite team work while maintaining a congenial working atmosphere.

Application of high moral and ethical standards whilst carrying out research on human or animal subjects.

Respecting patient’s rights and privileges including patient’s right to information and right to seek a second opinion.

The collective goals and objectives for both undergraduate and post graduate programs are abridged as:

- Generation of new learning techniques
- Improving teaching processes
- Expanding information technology capacity
- Strengthening industry interaction network
- Commitment towards community health services
- Facilitation of professional practitioners in searching their potential
- Inculcating team spirit amongst learners
- Up gradation in oral health care education and research

1.1.2 How are the institutional goals and objectives reflected in the academic programs of the institution?

The academic programs reflecting the goals and objectives of the institution are outlined below:

Goals & Objectives	Academic Programs
Generating new learning techniques	<ul style="list-style-type: none"> • Evidence based learning through lectures and group discussions. • Flip Learning: Live Demonstration of latest techniques followed by discussion. • Clinico-pathological meet program amid departments of oral medicine and radiology, oral and maxillofacial surgery and oral pathology for the discussion of cases of special academic interest. • Routine hosting of Clinical Grand Rounds for Interns, Postgraduates and Faculty to upgrade knowledge database and inculcation of recent advances in dentistry. • Objective structured clinical examination (OSCE) and Objective structured practical examination (OSPE) at basic sciences level to correlate theoretical knowledge with clinical learning.

<p>Improving teaching methodology</p>	<ul style="list-style-type: none"> • Teacher training program is conducted regularly to improve teaching methodologies. • Lectures in form of Power point presentations are uploaded well in advance, so the students can have a basic idea about the lecture topic beforehand. • Periodic conduction of national and international conferences, preconference courses on recent trends in dentistry, hands on workshops, guest lectures and continuing dental education programs with active participation from students and faculty from across the nation. • Institute has well designed mentor system for undergraduate students, in which 10 students of a batch are allotted to each mentor to look after their overall performance. The mentors report the same to the appointed academic coordinators on monthly basis. These coordinators are supervised by the UG coordinator and Principal of the institution. • A regular centralized feedback is taken from the students to improve the learning methodologies.
<p>Expanding the Information technology capacity</p>	<ul style="list-style-type: none"> • Students enjoy free access to Wi-Fi facilities in the campus. • Online journals and reference material is available for the students through OPAC (online public access catalogue) software system. • Centralized complaint system for the students regarding their problems (academics / others), which is regularly monitored by higher authorities. • Online chatting with parents relating to the performance of their wards is done frequently by the designated faculty members. • Online chatting facility for resolving patient issues is also accessible. • ERP (Enterprise Resource planning) System is successfully implemented in the institution. Student's attendance, internal assessment and grades, and leave records are monitored with the help of ERP software. • Patient management software (ORION) is a unique software for handling patient inflow in the institute and its satellite centres. Patient's records, investigations, appointments and billing are maintained through the ORION software. • Institute has its website, which is regularly updated with recent activity news and events.
<p>Strengthening the industry interaction network</p>	<ul style="list-style-type: none"> • Student's Exchange program with the University of Tufts, USA and the Leeds University, UK. • Certified Oral Implantology course with Bioner Implant systems and Universidad Catolica San Antonio de Murcia, Spain. • ICMR funded research projects with extramural grant.

	<ul style="list-style-type: none"> • Regular visit of the students to the Rajiv Gandhi Cancer Institute, and Dharamshilla cancer hospital, New Delhi to have an overview on the patient management. • Jagannath cancer centre, has a tie up with the institute for seeking any help from experts regarding the patient’s diagnosis, surgical intervention and treatment planning. • College organizes dental health camps comprising of specialized team of experts to visit the camp venues in the nearby villages for various awareness programs pertaining to recent advances in treatment methodologies • The institute has its own journal, the —Journal of Dental Specialtiesl, published bi-annually. • The institute publishes college magazine under the name of Zenith, quarterly, which provides information about the various activities of its constituent colleges.
<p>Commitment towards community health services</p>	<ul style="list-style-type: none"> • The institute has fully functional seven satellite clinics in the nearby areas, which cater to the oral health care needs of the community. • Daily pickup and drop facility is provided by the institute to the patients referred from the satellite clinics and oral screening camps, free of cost. • The institute has adopted a nearby village (Sultanpur) for improvement of the oral health as well as the general health. • Comprehensive oral health care program for elderly (Free denture delivery camp) is organized twice in year. • The institute has fully functional tobacco cessation clinic to make the general public aware of the ill effects of tobacco consumption and various methods relating to its cessation. • Free oral cancer screening camps are organized periodically. • Celebration of Days of social importance such as Hepatitis Day, Oral health Day, Cancer Day, Children’s Day, Elderly Day, Dentist Day, No Tobacco Day are celebrated every year. • Institute grants financial assistance of Rs. 50,000/- for the treatment of under privileged cancer patients.
<p>Facilitating professional practitioners in searching their potential</p>	<ul style="list-style-type: none"> • The institute has a Centre for Advanced Imaging, equipped with CBCT (Cone Beam Computed Tomography), which provides training to the post graduate students. • The Centre for Advanced Research provides assistance to the students in carrying out research projects, dissertations and short studies. • Certified Oral Implantology course with Bioner Implant systems and Universidad Catolica San

	<p>Antonio de Murcia, Spain has been organized for students.</p> <ul style="list-style-type: none"> • Workshop on current trends in Education and IQA was conducted from skill enrichment. • Workshop on practice management for the young professionals was conducted by eminent faculty to teach nuances of professional practice. • Workshop on Bioethics has been conducted.
Inculcating team spirit amongst learners	<ul style="list-style-type: none"> • Students are encouraged to present scientific papers and posters in various events organized by the institute on routine basis. • The institute provides a platform for the participation of students both individually as well as in teams. • Students are encouraged to participate in IDA student's program, involving academic and cultural activities every year. • Group discussions are organized for the students on regular basis on various topics.
Up gradation in oral health care education and research	<ul style="list-style-type: none"> • The institute has an integrated Centre for Advanced Research, which caters to the needs of basic and clinical research projects. • Students are encouraged to take up new and innovative topics as research projects and dissertation. • The institute encourages students to come up with innovative ideas through young dental research award. • The institute has a provision for faculty assessment through self-assessment system (quarterly), student's feedback (monthly) and through the higher authorities (annually). • ICMR provides funding for selected research projects.

1.1.3 Does the institution follow a systematic process in the design, development and revision of the curriculum? If yes, give details of the process (need assessment, feedback, etc.).

Yes the institute follows a systematic process in the design, development and revision of the curriculum. The college is affiliated to the **Chaudhary Charan Singh University, Meerut** and governed by the guidelines of the **Dental Council of India (DCI)**.

With the commencement of new academic session, teaching methodology is revised by a dedicated committee. The governing council and the academic committee work in unison to look into the need for strengthening the course curriculum. This is completed with interactions and feedbacks received from faculty from other

institutions as well. It furthermore involves any feedback received from eminent professionals working in the field of medicine and dentistry. The students are too part of this feedback and are free to give suggestions for incorporation of any additional training skills in the curriculum (example: general surgery posting for interns). Courses and workshops are added as per the dictated requirement and feedback received. The revision of the curriculum subsequent to the feedback received from the faculty, students, alumni and other stakeholders have been elaborated upon by each department in their respective evaluative reports.

Curriculum is premeditated to encourage an integrated teaching methodology through a structured teaching program right from the inception of undergraduate course; emphasis is given on preclinical areas of teaching with the help of artificial simulation (e.g. Pre-clinical training on phantom heads in the department of prosthodontics and conservative dentistry). Students are invigorated to work in pre-clinical and clinical labs after college hours under guided supervision. First and second year BDS students are posted on rotatory basis in dental clinics, so that they can correlate theoretical concepts with clinical evidence.

Post graduates from non-clinical departments are regularly posted in comprehensive clinics in Department of Public Health to gain clinical exposure under the guidance of the faculty members.

The institution consistently gives its timely suggestions to the University and the Dental Council of India, on the revision of the curriculum as per the need of hour (Example: Suggestions for inclusion of Oral Implantology and Lasers as specialized clinical subjects to be taught in BDS curriculum). Similarly, the institute gives suggestions to the University for the Conduction of annual exams on time.

Student's performance based on clinical posting completion, internal assessment, faculty and student's own feedback are critically used for apt curriculum revision. Institute has a mentor system under which ten students are assigned to a faculty member of a particular batch, who in turn reports the performance of these students to the respective coordinators. Students constantly interact with the mentors, regarding any issues that arise in the academic curriculum. Full time counselor is prearranged in the campus to provide suggestions to the students as per their requirements.

1.1.4 How does the curriculum design and development meet the following requirements?

Community needs – The Department of Public Health Dentistry conducts oral health screening camps to satiate the community needs. Undergraduate and postgraduate students actively participate in these camps and cater to oral health care necessities and provide basic dental treatment along with awareness on oral hygiene through motivational programs (Example: No Tobacco

Day, Oral health Day, Elderly Day, Children's Day etc). Specialized team of Ophthalmologists, Physiotherapists and Physicians are also a part of these camps. The institute has seven satellite clinics in the vicinity. Specialized hygiene awareness camps are organized at schools and community centres, where the masses are educated about maintenance of both oral and personal hygiene and proper hand washing techniques.

The Institute intends to start vocational dental camp for the students of class 8th to 12th studying in various schools in Ghaziabad from March 2017, wherein the students will explore dentistry as a career option. Institute has fully functional tobacco cessation clinic which provides counseling to the tobacco users. The institution has strong belief that through these programs, students can be motivated for the need of oral health care in the community and inculcating empathy for the suffering masses.

Professional skills and competencies- Acknowledging an impending demand for enhancement of communication and professional skills, the institute has incorporated a training module on practice management for the students, conducted by eminent faculty. Also, module on personality development is conducted for the students. Students and faculty are encouraged to participate in various international and national conferences, pre-conference courses, continuing dental education programs (CDEs) and guest lectures on varied clinical topics.

To improve the professional competencies and skills, postgraduates from the non-clinical subjects are trained in various clinical procedures during their regular comprehensive postings. The institute also provides Certified Oral Implantology course by Bioner Implant systems and Universidad Catolica San Antonio de Murcia, Spain

Research in thrust and emerging areas- The Integrated Centre for Advanced Research is an in house research centre catering to basic research needs for the students. There is a full time designated research faculty and a Microbiologist posted in the research centre. The research centre works in collaboration with department of oral pathology, centre for advanced imaging and centre for implantology so as to provide maximum auxiliary support to the students. The research centre is equipped with Genomic research facility, Microbiology lab, ELISA test equipments, facility for Metallurgical studies, Protein based studies and Extraoral Imaging tests.

Undergraduate students constantly pursue short studies under faculty guidance. Post graduate students on the other hand undertake exhaustive dissertations based on Metallurgical Sciences and Biomedical areas of concern. The students regularly attend

various national and international conferences and present scientific papers, posters and table clinics.

The institute encourages young minds and the budding professionals through young dental research award, by granting financial assistance for their innovative ideas. Post graduate students are encouraged to take up the dissertations and short studies on varied emerging areas and institute provides the facility for the same (example: CBCT, CAD-CAM and Lasers).

Innovation –

- Evidence based learning through lectures and peer group discussions.
- Flip Learning: Live Demonstration of latest techniques followed by discussion.
- Clinico-pathological meet conducted monthly involving the Department of Oral Medicine and Radiology, the Department of Oral and Maxillofacial Surgery and the Department of Oral Pathology for discussion of interesting cases of academic interest.
- Clinical grand rounds are conducted monthly for Interns, Postgraduates and faculty to upgrade and indoctrinate recent advances in dentistry.

To improve the responsiveness and quality of patient care-

- The College is using patient management software (ORION), through which the patient data, investigations, billing and recall visits by SMS alerts are taken care of.
- Guidelines for the patients are clearly stated in the OPD area, with important information written over the flex boards.
- Regular patient's feedback is taken at individual departmental level.
- Patient's grievances are handled by dedicated personnel of patient grievance cell of the institute.
- Exclusive Facility of green card is available for the patients who have scarcity of time.
- ECHS empanelment facility is available for ex-services beneficiaries in the department of pediatric and preventive dentistry.

Employability- Direct placements are provided in the institute through campus selection by private chain of clinics e.g. Clove Dental and Innodata. Lateral allied branches also provide opportunities of employment to the students. Medical insurance, Transcription companies are amongst few, who have provided students with alternative career options. Career guidance by introducing enhanced certified clinical training programs (Example: Certified Oral Implantology course by Bioner Implant systems and Universidad Catolica San Antonio de Murcia, Spain), is intended to help the students sail their way to corporate dental

chains or starting up with their own clinical practice. Campus selection of the graduates by private chains of dental clinics and Health industry is a routine component of the academic year.

1.1.5 To what extent does the institution use the guidelines of the regulatory bodies for developing and/or restructuring the curricula? Has the institution been instrumental in leading any curricular reform which has created a national impact?

The college is affiliated to the **Chaudhary Charan Singh University, Meerut** and governed by the guidelines of the **Dental Council of India (DCI)**. The institute cannot bring changes in the curriculum alone, but minor modification in the curriculum can be made as per the requirements. Examples-

I year and II year BDS students are posted on rotatory basis in dental clinics, so that they can correlate theoretical concepts with clinical understanding.

Post graduates from non-clinical departments are posted in comprehensive clinics in department of public health department to have clinical exposure under the guidance of the faculty members. Didactic lectures for these students are also taken so as to augment their clinical skills. This concept has gained widespread acceptance – many dental colleges across the NCR and all over the country have incorporated this concept in their curriculum.

The institution also gives its timely suggestions to the University and the Dental council of India on the revision of the curriculum as per need. Example: Suggestions for inclusion of Implantology and Lasers as specialized clinical subjects to be taught in BDS curriculum, Institute gives suggestions to the University for the Conduction of annual exams on time.

The Institute regularly upgrades the curriculum with newer techniques (Flip education system, Teacher training programs). These techniques are comparatively newer ones and in near future could be instrumental in creating a national impact.

1.1.6 Does the institution interact with industry, research bodies and the civil society in the curriculum revision process? If so, how has the institution benefited through interactions with the stakeholders?

Yes, the institution interacts with industry on curriculum revision process. Post graduate students are regularly sent to the advanced centers such as the Rajiv Gandhi cancer institute, Dharamshilla cancer hospital for gaining widespread exposure which acquaints them with latest technologies available for diagnosis and management of malignancies affecting the head and neck region.

1.1.7 How are the global trends in health science education reflected in the curriculum?

The I.T.S-CDSR has a robust exchange program with faculty and students from the institute visiting dental institutions in other countries and faculty from other countries coming to our college for scientific interactions. Through these interfaces, the institute has made an effort to incorporate global trends in curriculum. Some initiatives of the institute include:

The use of Loupes for clinical practice by postgraduate students.

The use of digital models for treatment planning of atypical complicated patients.

Introduction of surgical gowns to be used in clinical areas instead of customary white aprons, which are considered to harbor infectious pathogens.

The institute is in the process of implementing central sterilization to make certain that a uniform sterilization protocol is followed for all the departments.

In addition, the incorporated global protocols in the curriculum are-

Evidence based learning through lectures and group discussions.

Flip Learning: Live Demonstration of latest techniques followed by discussion.

Clinico-pathological meet conducted monthly amongst the Department of Oral Medicine and Radiology, the Department of Oral and Maxillofacial Surgery and the Department of Oral Pathology for the discussion of interesting cases.

Clinical grand rounds conducted monthly for Interns, Postgraduates and faculty to upgrade and inculcate recent advances in dentistry.

Objective structured clinical examination (OSCE) and Objective structured practical examination(OSPE) are followed at basic sciences level to correlate theoretical knowledge with clinical understanding.

The institute encourages vertical as well as lateral expansion of teaching-learning methodologies.

Integrated teaching module encourages a student to understand the subject theoretically as well as clinically.

1.1.8 Give details of how the institution facilitates the introduction of new programs of Studies in its affiliated colleges.

There is no college which is affiliated to the institution. Any introductions of new program of studies if any are introduced in the institution itself, viz:

Advanced Oral Implantology course by Bioner Implant systems and Universidad Catolica San Antonio de Murcia, Spain.

Regular scientific programs (including conferences, hands on workshops, guest lectures) are organized to enhance the skills of students and the faculty.

A certified teachers training program for the faculty, to train teachers with newer concepts in teaching methodologies is conducted.

The institute has a unique teaching process under which lectures are scheduled in such a style so that a senior faculty member teaches the junior most students, allowing percolation of knowledge to the grass root level.

Clinical cases requiring multispeciality expertise are discussed and treated by the various clinical departments, including practice of Wilkodontics by the Department of Orthodontics and Periodontology, Zygomatic implants by the Department of Prosthodontics and Oral and Maxillofacial Surgery and Orthodontic-Pedodontic Group seminars.

1.1.9 Does the institution provide additional skill-oriented programs relevant to regional needs?

Yes the institute provides additional skill-oriented programs relevant to regional needs, which can be elicited as:

Fully functional tobacco cessation clinic operational under the department of public health dentistry, which basically provides general awareness among the population in context to ill effects of tobacco, and advocating various methods of cessation.

The Institute being located on the highway witnesses myriad of trauma cases. To address this, post graduates from the department of oral and maxillofacial surgery are trained and posted in casualty to deal with acute emergency cases of trauma.

The department of oral medicine and radiology and the department of oral and maxillofacial pathology, provide assistance in early diagnosis of various premalignant and malignant lesions, which need to be managed at higher centers. The institute also organizes regular cancer screening camps.

1.1.10 Explain the initiatives of the institution in the following areas:

Behavioral and Social Science –

- The institute has initiated many programs for behavioral modification amongst the undergraduate and postgraduate students. One such example of these programs is on lifestyle management through yoga by the trained professionals hailing from the department of physiotherapy of the institute.
- For students there is provision of a full time Counselor in the campus who continually counsels students regarding anxiety and apprehension and every year ‘Stress buster program’ is organized by a trained Psychologist.
 - The institute has facility of patient counseling through professionals; audiovisual aids are installed in patient waiting area where valuable information is displayed through posters,

and easy to understand literature is made accessible in prominent places of college premises.

At the beginning of every academic session, 'Mata kiChowki' is organized. The motto behind organizing the event is to spiritually involve and motivate the students.

Institute has a temple to carry out spiritual practices.

Medical Ethics / Bio Ethics / Nursing Ethics. –

The institute makes every student undergo ethical sensitization by way of lectures or discussion on ethical issues, discussion of cases with an important ethical component. The course content includes what is ethics, values and norms, Hippocratic oath, declaration of Helsinki, WHO declaration of Geneva, Doctor patient relationship, truth and confidentiality and malpractice and negligence etc. The whole module is of approximately 20-35 hrs of instruction and is taken by department of Public health dentistry as per the DCI regulations.

The institute has framed Institutional Ethics Committee (IEC) based on the guidelines of The AIIMS and The ICMR to grant permission to carry out proposed research projects after careful scrutiny.

Student / faculty member taking up a dissertation has to present the protocol before the ethics committee of the institution. The Ethics committee approves a dissertation after making necessary amendments to it (if required).

A lecture is conducted every year on Bioethics, for the post graduate students, to make them understand the ethical issues to be considered while taking up any research project.

A Written Patient's consent is taken before starting up with their treatment for registering them as subject in the recommended dissertations.

The Ethics committee has following members:

- | | | |
|----------------------------|---|-------------------------|
| i. Dr. S K Gupta | - | Chairman |
| ii. Dr. Vinod Sachdev | - | Member Secretary |
| iii. Dr. Prem Chopra | - | Basic Medical Scientist |
| iv. Dr. Rishi Rath | - | Basic Medical Scientist |
| v. Dr. Puneet Ahuja | - | Clinician |
| vi. Dr. Devicharan Shetty | - | Clinician |
| vii. Dr. Anmol Kalha | - | Clinician |
| viii. Dr. Anil Chandna | - | Clinician |
| ix. Dr. Hari Parkash | - | Clinician |
| x. Dr. Dinesh Samugh | - | Legal Expert |
| xi. Mr. Jaipal Singh | - | Lay Person |
| xii. Dr. AC Verma | - | Social Scientist |
| xiii. Dr. Meenakshi Bajpai | - | Scientific Member |
| xiv. Dr. CS Ram | - | Scientific Member |
| xv. Dr. FK Pandey | - | Scientific Member |

Practice Management towards curriculum and/or services –

The institute organizes lectures on practice management by renowned practitioners and well known senior faculties regularly to share their experiences with the budding students. Hands on workshop on Basic Life support has been organized by department of Pharmacology.

Guest lecture on drug induced oral manifestations and bed-side diagnosis has been organized by the Department of Pharmacology.

The institute encourages its faculty and students to attend a range of conference courses on recent advances in the dental practice.

Teachers Training Program, Leadership program are other noticeable efforts of the institute to improvise the curriculum and services provided.

Orientation to research –

Centre for Advanced Research promotes research projects involving Metallurgy, Microbiology, Genomics and practices of ELISA and PCR. The Centre is equipped with latest equipment and machinery for an array of research projects.

The Journal of Dental Specialties (JDS), a scientific journal of the ITS Education group's constituent dental colleges is published bi- annually. The journal receives articles from other institutions and scientists as well on an international platform.

- The Centre for advance imaging equipped with CBCT provides a podium to take research projects requiring three dimensional imaging and digital diagnosis.

Lectures on biostatistics are organized for the postgraduate students in first year of study so that they can understand statistical analysis.

Rehabilitation –

- Regular Oral Health Screening camps are organized by the Department of Public Health Dentistry to cater to the needs of community. Basic dental treatment is provided at the camps to the patients.
- School oral health screening, is done for school children of different age groups to promote the practice of maintaining oral hygiene in an effective manner.
- The institute has adopted a practice of delivering free dentures to the needy patients twice in a year i.e. on World Elderly Day and World Oral Health Day.
- Early cancer detection camps for screening the mass population are planned frequently.
- Public awareness talks on major issues pertaining to community health are taken up by the faculty and students.
- Fully functional tobacco cessation clinic is present in the institute.

Ancient scriptural practices:

- Research topics for dissertations and short studies are often based upon ancient practices of using natural herbs (such as Aloe Vera, Tulsi extracts and Turmeric) and other natural remedial practices including coconut oil.

Health Economics-

- Regular free dental camps are conducted by the college.
- The Director has an authority to provide discount on the treatment to the clinically interesting cases, in case patient is underprivileged.
- The institute has a provision of sanctioning an amount of 50,000 INR for surgical intervention in cancer patients.
- The institute works on no loss, no profit basis as inferred from the ORION software system.

Medico legal issues-

- All complaints reported by patients are examined on a regular basis by the director and appropriate corrective actions are taken accordingly.
- Talk show by the legal expert of institute is organized on ethical / medico-legal issues spread across individual and institutional settings.
- Dissemination of all relevant information on statutory requirements by the state of Uttar Pradesh and ethical/legal issues linking to patient care are important focus areas for ITS Centre for Dental Studies and Research.

Enhancement of quality of services and consumer satisfaction-

- Patient feedback is taken up both at the department as well as institutional level through feedback forms.
- Patient's complaints and suggestions are entertained through telephones and emails daintily.
- Institute has the provision of express card for reduction of patient waiting time.

1.1.11 How does the institution ensure that evidence based medicine and clinical practice are adopted to guide patient care where ever possible.

Evidence based dental treatment is achieved through Evidence based dentistry seminars, discussions, case presentations, live surgeries, clinic pathological conferences inviting participation from faculty and students.

1.1.12 What are the newly introduced value added programs and how are they related to the internship programs?

Following Value added programs related to internship have been lately introduced:

Advanced Implantology course by Bioner Implant systems and Universidad Catolica San Antonio de Murcia, Spain.

Student's Exchange program with University of Tufts, USA and Leeds university, UK.

Intern Clinical Grand Round is conducted on monthly basis consisting of special topics in dentistry, thus enhancing subject knowledge and making the interns more confident for presenting their thoughts in front of massive audience.

The institute organizes lectures on practice management by renowned practitioners and well known senior faculties regularly to share their experiences with the budding dentists.

1.1.13 How does the institution contribute to the development of integrated learning methods and Integrated Health Care Management?

Vertical and horizontal integration of subjects-Post graduates from nonclinical departments are regularly posted in comprehensive clinics in department of public health department to have clinical exposure under the guidance of the faculty members.

Integration of subjects taught with their clinical application-First year and Second year BDS students are posted on routine basis in dental clinics, to boost correlation of theoretical concepts with clinical findings.

Integration of different systems of health care (Ayurveda, Yoga, Unani, Homeopathy, etc.) in the teaching hospital - Research topics are taken in the form of dissertations and short studies some of which are based upon ancient practices of using natural herbs such as (Aloe Vera, Tulsi extracts and Turmeric) and other relevant therapeutic practices.

1.1.14 How is compatibility of programs with goals and objectives achieved with Particular reference to priority of interface between Public Health, Medical Practice and Medical Education?

Institutional goal and objectives, apart from acquisition of a professional degree (BDS, MDS) are achieved through rural outreach programs, which help to structure the medical / dental education and oral health care requirements of the community. The institute provides its students with varied clinical cases from the surrounding community through its ambitious outreach programs.

1.2 Academic Flexibility

1.2.1 Furnish the inventory for the following:

Programs offered on campus- The I.T.S Centre for Dental Studies and Research is recognized from the **Dental Council of India (DCI)** for:

BDS (Bachelor of Dental Surgery), a four year graduate program plus one year compulsory rotatory internship.

MDS (Masters in Dental Surgery), a three year post graduate program comprising mandatory thesis submission upon completion of study, in 9 different specialties, namely-

Oral Medicine and Radiology

Oral and maxillofacial Surgery

Public Health Dentistry

Prosthodontics Crown & Bridge

Periodontology

Conservative Dentistry and Endodontics

Paediatric & Preventive Dentistry

Orthodontics & Dentofacial Orthopaedics

Oral Pathology & Microbiology and Forensic Odontology

Overseas programs offered on campus – No overseas programs are offered in the campus

At Institute level:-

- Certified course by Bioner Implant systems and Universidad Catolica San Antonio de Murcia, Spain
- Student exchange program with Tufts university, USA

Programs available for colleges/students to choose from – Same as the above.

1.2.2 Give details on the following provisions with reference to academic flexibility

Core options –

- BDS
- MDS (9 specialties)
 - Oral Medicine and Radiology
 - Oral and maxillofacial Surgery
 - Public Health Dentistry
 - Prosthodontics Crown & Bridge
 - Periodontology
 - Conservative Dentistry and Endodontics
 - Paediatric & Preventive Dentistry
 - Orthodontics & Dentofacial Orthopaedics
 - Oral Pathology & Microbiology and Forensic Odontology

There is no flexibility in core options. In the BDS program after completion of 4 years the students have to partake a one year rotatory internship. The institute allows students to complete this internship program from any other college that is recognized by Dental Council of India

Elective options – As per the regulations of Dental Council of India there are no elective options as far as the core programs are concerned. Students can participate in CDE's, Conferences, workshops and other research programs based on their interest.

Bridge course – Bridge Course per se is not yet offered but the institute conducts an Implantology course in collaboration with Bioner implants Murcia, Spain. The Institute is also in the process of conducting a module of diploma course in Dental Laser in association with SOLA (International Society for Oral Laser Application, University of Vienna on 20th -23rd Feb, 2017.

Enrichment courses – The institute has begun Comprehensive oral health care, Evidence based literature analysis, and Integrated seminars on a regular basis. Curriculum is further enriched by Practice management programs for undergraduate and postgraduate students, Students exchange program with Tufts University, USA & Leeds University, UK and Certified course in Oral Implantology.

Credit accumulation and transfer facility– No credit accumulation and transferred facility is required as per the DCI guidelines.

Courses offered in modular form –

- Certificate course in Oral Implantology
- Hands on workshop on practice management.

Lateral and vertical mobility within and across programs,

courses and disciplines and between higher education institutions- vertical mobility of students is in the form of graduation from BDS and moving onto post-graduation i.e MDS. Post graduate students from non-clinical specialties i.e Oral medicine, Oral Pathology and Community dentistry are posted for comprehensive clinical posting.

Twinning programs- Such programs include overseas collaboration with The Tufts University, USA, The Leeds University, UK and Bioner implants Murcia, Spain.

Dual degree programs – No dual degree programs are permitted as per the DCI norms.

**1.2.3 Does the institution have an explicit policy and strategy for attracting students from
Other states,
Socially and financially backward sections and
International students**

Previously, the institute channeled admissions to the undergraduate and postgraduate students through UP-CAT (Uttar Pradesh- Common Admission Test), an entrance examination system of the state of Uttar Pradesh.

Commencing from the year 2016, as per direction of the honorable supreme court of India admission to this institute are offered through the NEET, conducted by the CBSE, New Delhi. Student from all categories including general, SC/ST/OBC and any other as specified in the regulations are admitted to this institute. It can conclusively be stated in the questions context that the institute does not play an active role in attracting students as the admissions are completely merit based.

However financial assistance is provided to the eligible candidates based on the criteria laid down by the department of social welfare, Uttar Pradesh Government. Additionally, student from the state of Jammu Kashmir and North-eastern states are provided financial support from the respective state Governments.

1.2.4 Does the institution offer self-financing programs? If yes, list them and indicate if policies regarding admission, fee structure, teacher qualification and salary are at par with the aided programs?

Yes, all the programs are self-financing programs under prescribed guidelines of the Dental Council of India (DCI) and regularized by the Chaudhary Charan Singh University, Meerut.

Both BDS and MDS are self-financing programs. The Policy regarding admission has already been stated in 1.2.3.

The fee structure is decided by the state government in consultation with the association of the privately managed unaided self-financing institutions.

The teacher qualification has been clearly laid down in the norms issued by the dental council of India which is the regulatory body.

The salaries are at par with the aided programs and are at par with UGC programs.

1.2.5 Has the institution adopted the Choice Based Credit System (CBCS) / credit based system? If yes, for how many programs? What efforts have been made by the institution to encourage the introduction of CBCS in its affiliated colleges?

Currently, No such system is adopted since the institute is an affiliated college and governed by preamble of the Chaudhary Charan Singh University, Meerut.

1.2.6 What percentage of programs offered by the institution follow:**Annual system****Semester system****Trimester system**

BDS and MDS curriculum is as per regulations of the DCI and Chaudhary Charan Singh University, Meerut which stipulates annual system of evaluation and doesn't follow the semester or trimester system. There is a system of internal evaluation for both undergraduate and postgraduate students.

1.2.7 How does the institution promote multi/inter-disciplinary programs? Name a few programs and comment on their outcome.

Multidisciplinary approach is promoted at the undergraduate as well as post graduate levels through various programs in following manner.

Undergraduate level:

- **Basic Life support training program:** Department of Pharmacology, with the help of hands on workshop on BLS and CPR, provides training to the students working on the patients in the clinical departments.

Certified Implantology course is offered to the interns of the college, with special protocols taken up by specialists from respective clinical departments.

Lectures and workshop on general Practice management for the undergraduate students are organized routinely.

Post graduate Level:

- Clinico-pathological meet is regularly conducted by the Department of Oral Medicine and Radiology, Department of Oral and Maxillo-facial Surgery and Department of Oral and Maxillofacial Pathology for discussion on a variety of clinical cases of special interest, necessitating multidisciplinary approach.

Clinical cases requiring multispeciality expertise are discussed and treated by various clinical departments, illustrations include, practice of Wilkodontics by the Department of Orthodontics and Periodontology, Zygomatic implants by the Department of Prosthodontics and Oral and Maxillofacial Surgery and Orthodontic-Pedodontic Group Seminars.

CBCT training programme is provided by the Department of Oral Medicine and Radiology to students from different dental specialties to teach basics of interpretation of digital scans.

The details of the various multi/inter disciplinary programs followed by the different departments are documented in the individual evaluation reports of the department.

1.2.8 What programs are offered for practicing health professionals for skills training and career advancement?

The programs conducted for practicing oral healthcare professionals include

- Certificate course in Oral Implantology
- Leadership skill workshop
- Teacher Training Programs
- Pre conference courses
- CBCT hands on training Program
- Soft tissue diode LASER (lecture cum hands on)
- Early detection of oral cancer and other CDE's.

1.3 Curriculum Enrichment

1.3.1 How often is the curriculum of the institution reviewed and upgraded for making it socially relevant and/or skill oriented / knowledge intensive and meeting the emerging needs of students and other stakeholders?

The institution follows the curriculum based on the guidelines of DCI and Chaudhry Charan Singh University, Meerut. Revision of curriculum is not under the purview of the institution. Curriculum cannot be changed without the permission from the DCI and the affiliated university. However, periodic evaluation of the laid down guidelines is done using feedbacks and subsequent changes are suggested. Example of such changes incorporated include, integrated seminars involving under graduate and post graduate students, comprehensive clinical posting of non-clinical post graduate students, clinical grand rounds and presentation of newer techniques.

1.3.2 During the last four years, how many new programs were introduced at the UG and PG levels? Give details.

Various programs have been introduced to make available enhanced multidisciplinary exposure, for instance, clinic pathological grand round for faculty and students are organized on monthly basis and case discussion involving two or more departments are promoted enthusiastically.

Certified Implantology course by Bioner Implant systems and Universidad Catolica San Antonio de Murcia, Spain (March 2016-October 2016).

Continuing dental education (CDE) program has been organized on LASER dentistry, so as to give academic as well as clinical exposure to the students regarding the vast use of LASER in dentistry.

Nitrous oxide analgesia: Use of Conscious sedation has been included in Pediatric dentistry in order to render treatment on anxious and extremely young children in a more comfortable

manner, thus delivering high quality of dental treatment. Senior faculty from the Department of Pedodontics and preventive dentistry has undergone professional training with respect to use of conscious sedation unit.

Basic life support (Hands on workshop): Department of Pharmacology has introduced a training of post graduate students in Basic life support and CPR technique by experts.

1.3.3 What are the strategies adopted for the revision of the existing programs? What percentage of courses underwent a syllabus revision?

As detailed above (1.3.1), the syllabus of the institution is in accordance with guidelines set by the Dental Council of India and the Chaudhary Charan Singh University, Meerut. Changes and modifications are made only in case of changes amended by the Dental Council of India and the Chaudhary Charan Singh University, Meerut.

1.3.4 What are the value-added courses offered by the institution and how does the institution ensure that all students have access to them?

Various value added programs are conducted by the institution for broadcasting widespread knowledge to the students on an array of topics at regular intervals, some of which are mentioned as below:

S.No.	Date of event	Name of Event
1.	29/05/2012	Symposium cum workshop on Pharmacovigilance and Basic Life Support
2.	31/07/2012	Lecture Programme on Dental LASERs
3.	24/08/2012	Comprehensive workshop on Maxillofacial Prosthodontics
4.	30/08/2012	ISP Listerin- Lecture for BDS Students
5.	31/10/2012	Future Professional Programme
6.	12/07/2013	Lecture cum demonstration on " Dolphin Imaging System"
7.	11/08/2013	Zygomatic Implants- surgical & Prosthodontics concepts
8.	24/09/2013	CDE Programme " Biomechanics Simplified"
9.	01/09/2014	"Bioethics in clinical Research"
10.	25/09/2014	Basic Surgical & Prosthetic Protocols in Oral impalntology course
11.	20/12/2014	workshop on " Current Trends in Education & IQA "
12.	01/12/2015	Guest Lecture on " periodontal Health & Maintenance"
13.	17/09/2015	Guest Lecture on " Career options in North America and Practice Management" Department of Orthodontics

14.	23/09/2015	ISP- Listerine Lecture Dept. of Periodontology & Implantology
15.	20/01/2016	Leadership Skills Workshop
16.	22/01/2016	CDE on Clinical Photography
17.	16/02/2016	Staff Development Program
18.	07/082016	Implantology Course- 2016
19.	09/09/2016	Teacher's training programme

1.3.5 Has the institution introduced skills development programs in consonance with the national health programs?

The institute has started training on Tobacco cessation strategies and early detection of Oral cancers through CDE programs. The institute has a fully active Tobacco cessation clinic under the Department of Public health dentistry. Celebration of important health days is planned so as to bring awareness and knowledge on various health issues to students and patients. Various programs organized by the institute are mentioned as below:

S.No.	Date of event	Name of Event
1.	07/03/2012	World Health Day celebration
2.	24/03/2012	World T.B Day celebration
3.	14/06/2012	Blood Donation Day
4.	28/07/2012	World Hepatitis Day
5.	13/09/2012	World Oral Health Day celebration
6.	13/10/2012	World sight day
7.	06/04/2013	World Health Day celebration
8.	01/10/2013	International Geriatric Day
9.	04/02/2014	World Cancer Day
10.	28/07/2014	World Hepatitis day
11.	20/03/2015	World Oral Health day "A Denture Camp"
12.	28/07/2015	World Hepatitis day
13.	1/12/2015	World AIDS Day
14.	4/02/2016	World Cancer Day
15.	20/03/2016	World Oral Health Day 2016
16.	31/05/2016	World No Tobacco Day

1.3.6 How does the institution incorporate the aspects of overall personality development addressing physical, mental, emotional and spiritual well being of the student?

The Institution is proactive towards enhancing physical, mental, emotional and spiritual well-being of students as well as faculty. A gymnasium with high quality equipments and trainers has been incorporated as a major aspect of campus. An encouraging environment for students to participate in various indoor and outdoor

sports is provided. Professional yoga trainer is available for interested students. Full time psychologist is also available for discussing any kind of issues faced by students. Various other events like Sports Day

Hostel day celebrations, personality development courses are organized by the institution. Although, Institute has a temple within the campus for spiritual motivation of the students, yet due respect is given to the students of varied religious communities.

1.3.7 Does the curriculum provide for adequate emphasis on patient safety, confidentiality, rights and education?

In addition to the recommended curricular inclusion of Ethics (20hrs) in the undergraduate and post graduate courses prescribe by the DCI, the institute has a designated committee which put adequate emphasis upon professional as well as research ethics. The institutional ethical committee and SOP's of the departments ensure patient safety (for example, proper sterilization, infection control, radiation protection, biomedical waste etc). It is the responsibility of the central station of the individual departments to give proper counseling and guidance to the patients about the treatment, cost and available facilities in the institute. The institute maintains confidentiality of the patient by compiling all treatment and demographical data of the patient through Orion software system and thus preserving the same, which can be accessed solely by the treating dental surgeon.

1.3.8 Does the curriculum cover additional value systems?

Information on code of ethics, medical ethics, anti-ragging campaign, copyright of intellectual property are clearly mentioned explicitly in the college workbook/ website. The institute encourages its faculty and students to save the energy through CSR initiative of the ITS education group.

1.4 Feedback System

1.4.1 Does the institution have a formal mechanism to obtain feedback from students regarding the curriculum and how is it made use of?

Yes, the students are given an opportunity to submit their inputs and feedback through a mentor and co-ordinator system on monthly basis. The institute has a well-defined mentor system for undergraduate students, in which 10 students of a particular year are allotted to each mentor to look after his overall performance.

All the student mentors report the same to the concerned academic coordinator on monthly basis.

All the coordinators are supervised by UG coordinator and Principal of the institution

A regular centralized feedback is taken from the students to improve the learning methodologies.

Feedbacks regarding the faculty and teaching are evaluated by the IQAC following which particular decisions are taken and conveyed to the concerned faculty member in a confidential way. The records of such feedback and subsequent actions are maintained by all departments.

1.4.2 Does the institution elicit feedback on the curriculum from national and international faculty? If yes, specify a few methods such as conducting webinars, workshops, online discussions, etc. and their impact.

The institution elicits feedback on curriculum from national and international faculty through process of peer interaction. Based on these interactions, Workshops, Specialty Conferences, Conventions, CDE programs and Teacher Training Programs are regularly conducted. Recent global changes which have not yet been included in curriculum are covered regularly in the form of lectures, hand-on courses and live demonstrations. Some programs that have been conducted include Practice Management Workshop, Oral Implantology Courses (Lecture + hands-on), Microvascular Surgery (Demonstration of Live Surgery) and CBCT for entire faculty and students.

1.4.3 Specify the mechanism through which affiliated institutions give feedback on curriculum and the extent to which it is made use of.

The institute follows the curriculum as per the DCI norms. The DCI has a structured program. The institute has sent feedback to include Laser & Oral Implantology into regular curriculum.

1.4.4 Based on feedback, what are the quality sustenance and quality enhancement measures undertaken by the institution in ensuring the effective development of the curricula?

Based on the feedback given by the students/ faculty / alumni, necessary changes are made in the teaching learning process / curriculum by the various departments. Some of the changes that have been incorporated are mentioned in the individual evaluative reports of the departments.

Various initiatives by the institution such as publication of its own scientific journal —The Journal of Dental Specialties, regular CDE programs, Clinico-Pathological Conferences involving undergraduate and post graduate students and faculty members from all the departments, literature analysis of scientific articles and Evidence Based learning are mentionable measures adopted by the institution in development of curriculum. In addition to this, MS power point presentations of lectures to undergraduate students are made available to before scheduled lectures.

1.4.5 What mechanisms are adopted by the management of the institution to obtain adequate information and feedback from faculty, students, patients, parents, industry, hospitals, general public, employers, alumni and interns, etc. and review the activities of the institution?

The mechanism of obtaining feedback is outlined below:-

S. No.	Stakeholder	Modality	Frequency
1.	Student	<ul style="list-style-type: none"> • classroom feedback • mentor feedback • co-ordinator feedback • assessment of faculty 	Quarterly Monthly Monthly Bimonthly
2.	Faculty	HOD meetings	Monthly
3.	Patients	Review of written suggestion/complaint	Daily
4.	Parents	Meetings	Annually
5.	Interns	Online suggestions	Weekly
6.	Industry	Meetings/written Communication	Annually
7.	Alumni	Meetings/written communication	Annually
8.	Hospitals	Meetings/written communication	As needed
9.	General Public	Camps, educational lectures,	Approximately once every week
10.	Employers	Meetings	As and when needed

In addition to the standard protocol of feedback followed by the institution, the feedback from its esteemed stakeholders (students and patients) is highly appreciated. A person is specifically appointed to interact with each patient in all the departments throughout the day. All negative and positive feedbacks are obtained in a written format. Appropriate and prompt action is initiated in case the patient is not satisfied with the quality of services delivered. Positive feedback by patients is displayed for motivation of staff and students on flexes in the college premises.

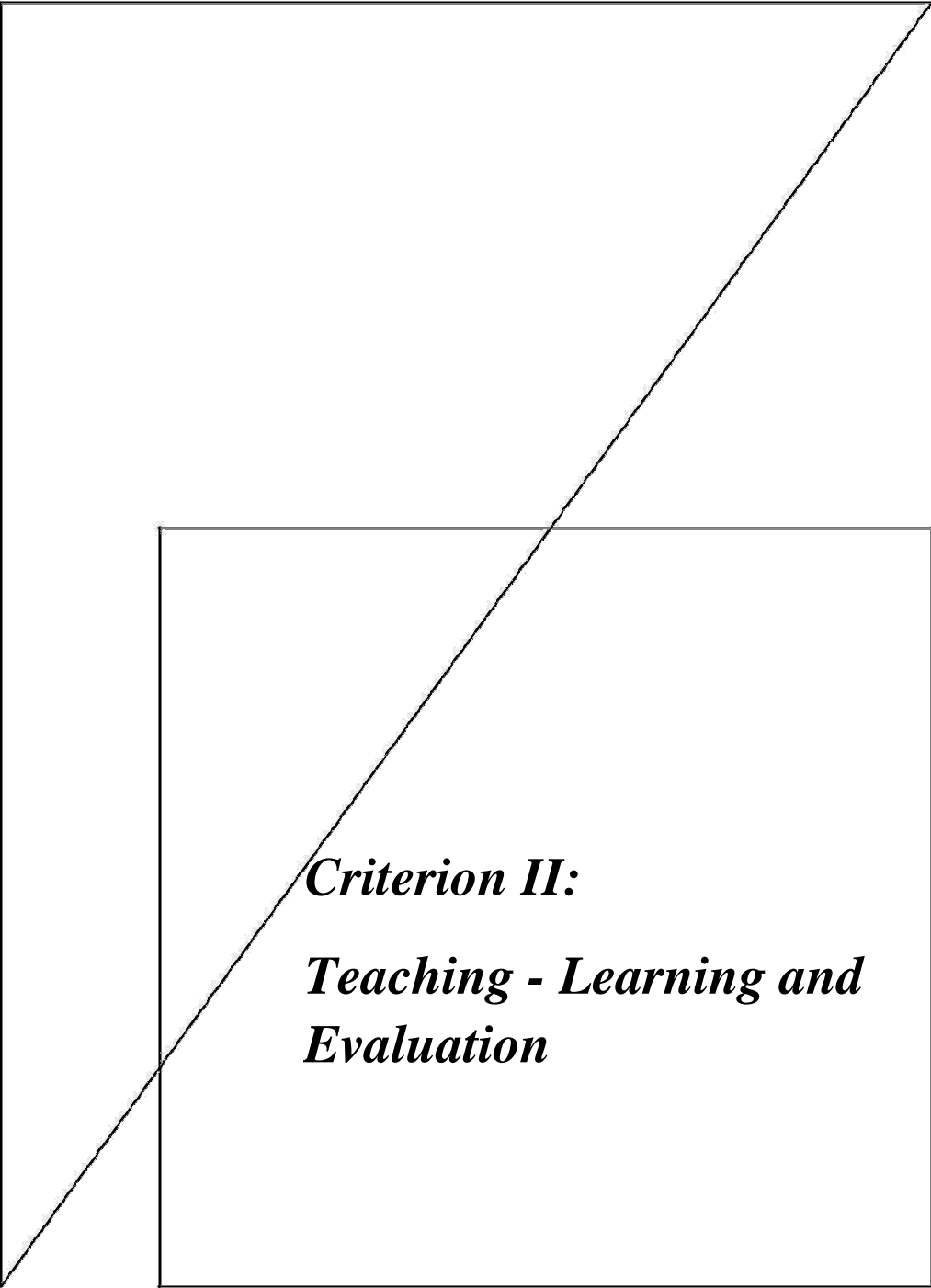
A helpdesk in the reception area addresses patient grievances and receives feedback from patients concerning hospital services. Over the past years, over 5000 patients have given their feedback which was reviewed on weekly basis citing over 80% patients satisfied with the quality of dental treatment given. Based on the suggestions of patients, a range of facilities such as washroom renovation, installation of air coolers, direction pathways for pathology lab and sample collection lab on the ground floor have been introduced. For patient convenience, important contacts have been displayed at more than 30 places in the campus.

Any other information regarding Curricular aspects which the institution would like to include.

Innovations in teaching methods initiated by the college are aimed at widening the horizon of the student whilst promoting a close bond within the student community. The presentations to be made at these seminars are allotted to relatively weaker students or students whose public speaking skills need improvement. The institution is confident that such innovative changes in the curriculum will go a long way in personality development of the student in addition to enrichment of scientific knowledge.

The curriculum amelioration program at ITS Dental College is also directed towards imparting information on the various dental specialties and procedures through the first and second year of the BDS program. This ascendancy is aimed at acquainting the first year and second year BDS students with the faculties and functioning of various dental departments while introducing them to important topics and subjects to be covered in detail in the subsequent two years of their course. Lectures and Demonstrations based teaching exercises provide a bird's eye view of the profession to the aspiring young entrant. This effort is also aimed at streamlining the transition of student from preclinical to clinical training in subsequent years.

Training in recent advances in clinical practice is taught to interns through various courses such as Oral Implantology course being conducted by eminent guest faculty of the particular field. Also, Basic life support course is conducted periodically in collaboration with various associations. The college further collaborates with various international universities for student exchange programs.



CRITERION II: TEACHING – LEARNING AND EVALUATION**2.1 Student Enrolment and profile****2.1.1 How does the institution ensure publicity and transparency in the admission process?**Institutional brochure

The institute has primed an Institutional brochure (Prospectus), which entails comprehensive information apropos the college and the admission modus operandi. Formerly, the prospectus could be procured from the college wherein the admission guidelines were based on the UPCAT examination. Commencing the current academic year (2016-17), the prospectus is readily made available at the designated NEET counseling centers.

Institutional website

The institution has launched its immensely interactive website - <http://www.itsdentalcollege.com>, which provides a valuable insight into profile and activities of the institute. The admission procedure is explicitly reflected on the website in a user friendly style.

Advertisement in regional/national newspapers

The institution publishes advertisements in regional and national newspapers pertaining to admission in the BDS &/or MDS courses. Besides this feature, other institutional activities of socio-educational interest such as dental camps, school health education, blood donation camps, conferences and workshops etc are also advertised and publicized, which escalates the visibility of institution amongst a myriad of populace in Delhi NCR Region.

The institute also displays a number of advertisements via hoardings across various parts of Ghaziabad, Delhi- NCR and some other states. Advertising is also achieved through active Radio channels.

Any other

The institute has also published an advertisement in Indian Railways —Rail Yatral book up till the year 2015. Along with this, the institute conducts and participates in various education exhibition fairs, where essential information in relation to the courses and oral health care services existing in the institutional facility are extensively publicized.

Transparency in Admission Procedure

All admissions to the Institute are based on merit obtained in the entrance exam. Admissions to BDS and MDS courses from 2016 are based upon NEET guidelines as per the directions of Hon'ble Supreme Court of India. The nationalized or State controlled counseling centers follow the statutory guidelines as a mandatory norm for admissions. All the qualifying criteria based on guidelines of DCI are also stringently adhered.

2.1.2 Explain in detail the process of admission put in place by the institution. List the criteria for admission: (e.g.: (i) merit, (ii) merit with entrance test, (iii) merit, entrance test, aptitude and interview, common entrance test conducted by state agencies and national agencies (v) any other criteria (specify).

All admissions are purely based upon merit achieved in the entrance test. The aspiring students for undergraduate and postgraduate program are presently selected as per the directions of the Hon'ble Supreme Court through NEET. Earlier, the admissions were based upon Common Admission Test-Dental (UPCAT- Dental), conducted by the association of private medical and dental colleges of Uttar Pradesh. All statutory admission guidelines as per the regulatory authorities are strictly pursued.

2.1.3 Provide details of admission process in the affiliated colleges and the university's role in monitoring the same.

ITS Muradnagar is not a University and is an affiliated college to the CCS University. The admission process in detail has been explained in clause 2.1.2. All admissions before 2016 were based on merit with entrance test through Common Aptitude Test conducted by State agency – UPCAT – Dental. From 2016 onwards, all admissions are based on NEET as per the directions of the Hon'ble Supreme Court of India.

2.1.4 Does the institution have a mechanism to review its admission process and student profile annually? If yes, what is the outcome of such an analysis and how has it contributed to the improvement of the process?

The authority to review the admission process rests with the State agencies and Central agencies, namely, UPCAT (before 2016) and NEET (with effect from 2016), as laid down by the Hon'ble Supreme Court of India. Thus, there exists no mechanism per se, to review or improve the admission process by the institution itself.

The student profile of both undergraduates and postgraduates is reviewed annually, however, such a review has a limited role in improving the admission process. Undergraduate students are reviewed based upon their area of predominant Hindi region and this has led the College for beginning English improvement classes.

The postgraduates who have completed their graduation from dental institutions where limited add on courses were available in the internship duration are identified on case to case basis. Such postgraduates are brought up to the level of the Institute in due course of time.

2.1.5 What are the strategies adopted to increase / improve access for students belonging to the following categories:

There rests no power with the Institute to improve the access of students of below mentioned categories towards admission process. All the statutory guidelines issued regarding the admissions of the below mentioned categories are aptly replicated, in following order.

SC, ST and OBC

Students from Scheduled caste (SC), Scheduled tribes (ST) and other backward castes (OBC) are given admission according to the percentile decided by the specific NEET guidelines, laid down by the Honorable Supreme Court of India. The institute effectively reimburses the scholarship fees offered by the Government and also provides necessary facilities to them. The State government / University guidelines regarding reservation are suitably observed.

Women

It is entirely a students' prerogative to select the college in the counseling conducted by the State agencies. Over the years, it has been a trend, that the I.T.S Dental College is at fore front to get its seats filled through UPCAT. Predominantly, the female to male ratio at the undergraduate level is 3:1 where as at the postgraduate level it is 1:1.

Persons with varied disabilities

As per the DCI guidelines, the quota for handicapped/disabled students is strictly abided in the admission procedure. However, in dentistry, owing to mandated occupational dexterity, people with impaired motor skills find it hard to cope with the needed requirements, thus abandoning the admission process.

Economically weaker sections

The institute acts as a facilitator to guide the students and/or parents to avail education loans from nationalized banks at competitive rates.

Sports personnel

The institute admission guidelines in accordance with NEET guidelines. In case, any such regulation is permits, the college is bound to follow it.

2.1.6 Number of students admitted in the institution in the last four academic years:

For BDS

Categories	Year 2012		Year 2013		Year 2014		Year 2015	
	Male	Female	Male	Female	Male	Female	Male	Female
SC	0	1	1	1	4	0	0	0
ST	0	2	3	0	3	0	3	3
OBC	4	10	6	11	4	12	6	15
General	16	64	16	62	15	62	14	59

For MDS

Categories	Year 2013		Year 2014		Year 2015		Year 2016	
	Male	Female	Male	Female	Male	Female	Male	Female
SC			-	-	1	1	-	-
ST			1	-	-	-	-	-
OBC			-	2	3	1	1	-
General			12	35	20	24	12	36
Others								

2.1.7 Has the university conducted any analysis of demand ratio for the various programs of the university departments and affiliated colleges? If so, highlight the significant trends explaining the reasons for increase / decrease.

To the best of its knowledge, the institute is uncertain whether the University has conducted such analysis. However, the proportion that 100 seats in BDS and all of the PG seats are getting filled, judiciously reflects that demand of skilled manpower in dentistry is still on the rise and shall continue to resonate in near future.

2.1.8 Were any programs discontinued / staggered by the institution in the last four years? If yes, specify the reasons.

No program has been discontinued/ staggered by the Institution in the last four years.

2.2 Catering to Student Diversity

2.2.1 Does the institution organize orientation / induction program for freshers? If yes, give details such as the duration, issues covered, experts involved and mechanism for using the feedback in subsequent years.

Yes, a separate orientation day is held for under graduate students and post graduate students along with their parents before the commencement of each academic session. This program acquaints the newly inducted students with, infrastructural facilities, prospective faculty, rules and regulations, peer groups and curriculum of the course. List of books, course outline, log books, library form along with information regarding anti ragging campaign is also provided to the students. Luncheon for students, parents and faculty is organized for a better stimulated interaction. The Oration is presided over by the Director – PG studies, the Principal, and the Chief Administrator, along with the presence of all HODs and Professors, Administrator, APO and Heads of various committees of the institute.

Eminent personalities from the field of dentistry/ academics are usually invited to deliver orientation address. The names of these invited speakers during recent ceremonies are listed below:

Detail of BDS Orientation Program held in last 5 years

DATE	SPEAKER
26 th August, 2013	Briefing done by Prof. HariParkash (Director General, ITS Group of Dental Institutions)
26 th August, 2014	Professor K.K Aggarwal (Chancellor of Lingaya's University, Faridabad, Haryana and Ex Vice-Chancellor of Guru GobindSingh Indraprastha University.)
9 th September, 2015	Dr Kishore Singh (Director, Prof. and Head. Dept. of Radiotherapy, MAMC andLokNayak Hospital).
October, 2016	Dr.S.K. Kak, Former Vice Chancellor, Mahamaya Technical University Noida and CCSU Meerut.

MDS Orientation Program

DATE	SPEAKER
1 st May 2012	Dr.P.B.Sood (Principal, I.T.S CDSR)
1 st June 2013	Mr.Sanjeev Kumar Narang (Director MM, Ministry of Communications, GOI)
2 nd June 2014	Dr.VinodSachdev (Prcincipal I.T.S CDSR) and Dr.HariPrakash (Director General I.T.S Group of Dental Institutions)
1 st June 2015	Prof. N.K. Mehra (National Professor , Former Dean, AIIMS)
1 st June 2016	Mr.Gyanender Singh (ADM Ghaziabad)

After the introduction of students is over, the parents are requested to submit their feedback, as to whether they have faced any difficulty during the admission process. The difficulties faced are noted and resolved for the upcoming session.

2.2.2 Does the institution have a mechanism through which the “differential requirements of the student population” are analyzed after admission and before the commencement of classes? If so, how are the key issues identified and addressed?

Since all the students are admitted by virtue of their performance in the entrance examination, most students do possess ample knowledge for respective undergraduate and postgraduate courses. However, as with every institution, slow and fast learners exist at the current institute too. Therefore, the institute tries to mark the differential requirements of the students after the admission and before the commencement of classes.

The state of UP, being a predominantly Hindi speaking region, does have candidates who encounter problem in English medium of written and oral communication. To address this concern, the institute organizes special English classes for such students at undergraduate levels. Additionally, personality development classes are organized for grooming the students as cultured professionals. All undergraduate students undergo a detailed one on one session with the college

counselor. The differential needs of the students are also analyzed carefully during such meetings.

Hostel wardens and Hostel welfare committee is heaped with detailed information of students to address adaptation issues, if any. During the orientation program, the differential requirements of the students, are recognized and necessary actions are carried out. Various committees i.e. Anti ragging committee, Women's committee (sensitization to women harassment), Grievances committee etc., are communicated vis-à-vis the newly inducted students.

The institute has also introduced an online chatting system for the students and parents with precise allotted time, where faculty members answer their queries instantly. Any other problems that the student is facing can easily be brought into the notice in a very simple and effective way.

At the postgraduate level, the admitted students are analyzed based upon their parent institution of graduation. In case, no add on courses like Practice Management, Oral Implantology, Patient software entry were available in their previous Institution, then they are trained and brought to the level of their contemporary PG students in due course of time.

The institute provides both Air conditioner and Non– Air conditioner rooms in hostel. Hostlers and day scholars are also provided with bus facility.

2.2.3 How does the institution identify and respond to the learning needs of advanced and slow learners?

Based upon the Tutorials, Discussions, Viva voce, Internal assessments, Assignments and Terminal exams, slow and advanced learners are accurately identified. There is a provision for tutorials / amendment classes not only for slow learners but also for competent students, where some complex topics are taught extensively to make them understand the multifaceted issues of professional wellbeing. Few topics, on request of students are also are considered.

Library hours are designated for the each batch to uphold an academic environment.

Advanced learners are encouraged to participate in national and international conferences to present scientific posters and/or papers.

College has also launched Young Researcher award in separate undergraduate and post graduate category to promote new ideas of research by the students.

2.2.4 Does the institution offer bridge / remedial / add-on courses? If yes, how are they structured into the time table? Give details of the courses offered, department-wise/faculty-wise?

Yes, the college offers bridge/remedial/add on courses. Although, these are not structured in time table, yet such module based courses are informed to class supervisor in a timely order. The courses are:

Add On Courses

Comprehensive Oral Implantology Program – 2016 for interns and Post Graduate Students in association with Bioner implants (Spain). Certified by The ICOI and The UCAM University, Murcia Spain.

Practice Management Workshop for BDS 4th year students, interns and post graduate students in two modules.

Added training of advanced statistical software during Biostatistics classes for postgraduates, as per the DCI norms.

Personality development classes (for final year BDS students).

- Early induction of BDS students to clinics for a better understanding.

Remedial Classes

The institute conducts English Language classes for all BDS students.

The institute also conducts Remedial classes for students requiring help during summer and winter vacations.

Bridge Courses

To cover topics of various dental and allied fields, the institute conducts workshops and training modules covering recent trends in dentistry as also explained in 1.2.2.

2.2.5 Has the institution conducted any study on the academic growth of students from disadvantaged sections of society, economically disadvantaged, differently-abled, etc.? If yes, what are the main findings?

The UG Coordinator along with APO, closely monitor the performance of all the students in academics. Students performing unsatisfactorily are identified at a very early stage and their identity is kept classified.

This is followed up in the monthly meeting conducted by batch wise Coordinator along with the subject coordinators and necessary steps to help such students are taken.

2.2.6 Is there a provision to teach the local language to students from other states/countries?

The primary medium of institutional teaching is English as per qualifying criteria laid down by the statutory body. For Patient conversation, both English and Hindi languages are practiced. Students

can approach the faculty posted in OPD at any time, in case he or she is unable to understand the language of patients which is predominantly Hindi. Remedial classes for English are undertaken in the first year for all the students who are feeble in this language.

2.2.7 What are the institution's efforts to teach the students moral and ethical values and their citizenship roles?

Moral and Ethical Values

White Coat Ceremony

I.T.S-CDSR is amongst the first private Dental Institutions in Northern India to pioneer the White Coat Ceremony. This is a unique ceremony wherein students entering 3rd Year, who would start treating patients clinically are sensitized towards the moral and ethical values that they shall place before their patients.

Oath Taking at the Convocation

Every year a grand Convocation Ceremony is organized in which, all the passing Graduates and Post Graduates take Hippocratic Oath in front of the entire faculty and their parents, to practice moral and ethical standards of supreme nature in their practice.

Citizenship Roles

The institute celebrates many important days, so that the Doctors trained at the Institute grow up as responsible citizens. The various days celebrated at I.T.S CDSR are as follows:

Date	Celebration	Department	Work Done
4 th February	World Cancer Day	Oral Surgery/ Oral Pathology	Poster Competition/ Public awareness
8 th March	Women's Day Celebrations	Periodontics	Felicitation and gala lunch of female faculty.
20 th March	World Oral Health Day	Public Health Dentistry	Special camps to bring awareness to rural and sub urban population regarding dental diseases. Demonstration regarding oral hygiene instructions.
7 th April	World Health Day	Public Health Dentistry	Theme for 2016 was –Beat Diabetes!. Free sugar testing camp was organized.
31 st May	Anti-Tobacco Day	Public Health Dentistry	To sensitize the public against the ill effects of tobacco, Nukkad natak, awareness rallies and other measures for social welfare are adopted.
27 th August	Hostel Day	College Level	To instill feeling of unity among all the students in the hostel from varied backgrounds

5 th September	Teacher’s Day	College Level	To instill respect for teachers and increase interaction between them
1 st October	World Elderly Day	Prosthodontics	Denture camp, sweets distribution and educational lectures for the elderly
5 th October	World Orthodontic Day	Orthodontics	School Camp for Orthodontic awareness and screening
14 th November	Children’s Day	Pedodontics	Oral screening in Schools, Lectures and technique demonstrations in Schools, Poster and quiz competitions

2.2.8 Describe details of orientation/ foundation courses which sensitize students to national integration, Constitution of India, art and culture, empathy, women’s empowerment, etc.

These are spelled out as:

National Integration.

Celebration of Flag Hoisting at the flag ground of the institute on 26th January and 15th August every year.

Every Conference and Convention ends with the National anthem.

- o All main auditoriums of the college named after famous Indian personalities who have immeasurably contributed in their respective fields.

Arts and Culture

Euphoria – An Inter-batch/Intra-batch Cultural Fiesta

The event is organized every year to endorse art and culture. The institute strives to achieve 100% participation of students in one or the other event. It is chiefly an inter batch competition spread over 3 days during which faculty and students participate together.

Occlusion – The Annual Fest

Occlusion is an annual festival of the ITS CDSR, which is highlighted by a celebrity performance dubbed as ‘celebrity night’.

The 2 day event witnesses an colossal participation from medical and dental colleges from various parts of India.

Women Empowerment

The institute promotes and encourages equal rights for the female staff, with inclusion of the following.

An Active Women Cell.

Women’s Day Celebrations with the entire female faculty on 8th

A female counselor in the college.

2.2.9 Has the institution incorporated the principles of Life Style Modifications for students based on Eastern approaches in their day to day activities?

Yes, the institution has incorporated the principles of Life Style Modifications for students based on Eastern approaches in their day to day activities. Two of the faculty members in Physiotherapy college of ITS Group of institutions, are trained to coach meditation based upon the philosophy of Heart fullness. They also conduct programs for the faculty and students with reference to yoga for back relaxation. Aasans like Surya Namaskar, and Bhujang Asana are also demonstrated. A three day workshop on meditation has also been organized for the faculty.

The college respects national culture and a temple in this context is established inside the campus. Throughout the OPD and academic block, meaningful quotes have been framed which spread cultural and moral values in a striking manner. The culture of uniform outfit by UG and PG students in the institute further sponsors the notion of oneness and belongingness to the institute.

2.2.10 Has Yoga/Meditation/any other such techniques been practiced by students regularly as self-discipline?

The college has separate gymnasium for males and females. Yoga and meditation classes in conjunction with the college of Physiotherapy are conducted repeatedly. A 03 day workshop for meditation based on Heart fullness has been organized for the Faculty by eminent practitioners of the noble practice.

2.2.11 How does the institution attend to the diverse health issues (physical and mental) of students and staff?

The diverse issues of such kind are assessed and attended in the sequence written as:

Physical Health Issues

For all kind of physical issues, the institute has an in campus 100 bedded Surya Hospital with doctors available round the clock. The Operation theatres are fully equipped to handle emergencies, trauma etc.

- Every year Hepatitis Vaccination program is conducted for students and staff members of the institute.
- Cervical cancer and Breast Cancer awareness program is conducted for the female staff.

Mental Health Issues

Mentor system to resolve problems on a monthly basis.

- Availability of in house counselor.
- Coordinator review meeting every month - The institute has a mentor system, where faculty is allotted 10-15 students. The

faculty discusses the problems with the students, related to mental stress and study management styles.

2.2.12 Does the institution cater to the needs of groups/ individuals requiring special attention by conducting group classes/ special individual trainings/ focused group discussion / additional training measures etc.?

Students who require special attention are usually accommodated by the respective departments which are dealing with them, usually by means of guidance, discussions, and special assignments.

Weekly Tutorials, Practical Viva voce and Group Discussions in Basic Sciences are organized.

Monthly end posting viva voce for 3rd Year and Final year along with Group discussions are also conducted.

2.3 Teaching-Learning Process

2.3.1 How does the institution plan and organize the teaching-learning and evaluation schedules such as

Academic calendar

The academic calendar for the BDS and MDS course is formulated on the basis of the regulations given by DCI (Revised BDS course regulation 2007 and Revised MDS course regulation 2007) respectively. The Director PG studies, Principal, Academic coordinators and Head of Departments of the institution collectively prepare the academic calendar prior to commencement of every academic session. The academic calendar in Toto itemizes the entire session plan, percentage of course to be covered, in addition to internal examinations, examination schedules and proposed vacation period.

Academic calendar for the BDS is charted separately for 1st, 2nd, 3rd, 4th year BDS students and interns depending upon the subjects to be taught in each year. For the first two year the academic calendar basically comprises of the basic sciences and preclinical work and for 3rd and 4th year it comprises of the clinical work.

For the MDS first year batch, the calendar mentions a list of activities to be finished within 6 months of initiation of the course including preclinical exercises, attendance of basic science lectures, and submission of thesis protocols before the ethical committee followed by a basic sciences exam. The subsequent 6 months of the year are assigned for clinical quota completion, submission of library dissertation followed by a subject exam at the end of first year completion. MDS second and third year batch students are expected to complete clinical exercises along with thesis submission. Every student has to preferably complete at least one short study and send the research work for timely publication.

Teaching plan

The teaching plan is depicted in the time table which is prepared by the Principal, academic coordinators and Head of Departments in accordance with the guidelines of statutory bodies (The DCI and The CCS University). For undergraduate students, the time table incorporates, scheduling of the number of hours for each subject in theory, practical and clinical postings. However, for postgraduate students, teaching is delivered via, discussions, seminars, journal clubs and case based learning. Schedules of all the activities are in turn displayed on the notice board for prior information to the students.

Rotation plan

The undergraduate students of BDS III year, IV year and interns have rotatory clinical postings in 9 specialties; taking into consideration the number of clinical hours formulated by the governing body (The DCI). BDS Final year students are posted in morning and third years in afternoon for an even distribution, encircling patient based learning.

All the post graduate students (MDS) are posted in camps and satellite clinics in a pre- determined duty roster. The MDS students of Oral Pathology are also posted in peripheral postings for the exposure of special oncology cases in Dharmshilla, Jagannath cancer institute and Surya hospital for Hematology learning. The MDS students of Oral Surgery and Oral Medicine are also posted in Dharmshilla for Oncological Surgery training and Radiology learning.

Course plan

Each Head of Department drafts a course allocation plan based upon subject and year of study. The course plan includes the unit plan (Theory lectures), and the clinical and laboratory teaching schedule, which consists of – Clinical quota completion, Clinical discussions, Seminars, Posters/ Project work, Laboratory quota, Posting end examinations, Percent of course completed etc. The course plan also includes extracurricular activities, such as participation in world health day etc. Once the course plan is finalized, the plan is displayed and circulated amongst concerned stakeholders.

Unit plan

Each Department devises the unit plan for every single topic to be covered in lecture and practical sessions. Afterwards, it is approved by the Head of the Department. The students too are made aware of the entire plan prior to the commencement of a topic. Much stress is laid upon integrated teaching, wherein the basic medical subjects are taught by basic sciences faculty and clinical aspects are covered by the faculty from clinical departments. For instance, fundamentals of Pulp-Dentine complex are taught by the Department of Dental Anatomy and Oral Histology with simultaneous teaching of clinic-radiological-pathologic aspects by the Department of Oral Medicine and the Department of Endodontics. This practice motivates the students to not only learn the clinical aspects but also to visualize and apply the same from the very beginning of training period.

Evaluation of blue print

The institute follows a stern evaluation system based on the guidelines of the statutory bodies. For the undergraduates, there are two internal examinations and one 'Sent up Exam' prior to the University exam, meant for sustaining an unremitting assessment system throughout the academic year. Besides regular theory examinations, the students are also evaluated through a one-on-one basis involving, viva-voce and chair side assessments. The evaluated answer sheets are later returned to the students along with model answer papers so as to put the accent on the correctness of answering methods. The students are instructed to rectify the answers through assignments. The performance of each student is weighed up after every exam and is matched up with results of the previous exam in order to review improvement.

For postgraduate students, the evaluation is done through an exam on basic sciences at the end of first six months of the course. At culmination of each academic year, subject examinations are again conducted in order to gauge the progress.

Outpatient teaching

A major portion of teaching hours is devoted to the outpatient teaching in clinical setting. Faculty members posted in the clinics exhibit and demonstrate appropriate treatment modalities along with theoretical discussions on out-patients basis, while BDS 3rd year, 4th year students and interns attend the same, as per the rotation plan, thereby nurturing case based learning. However, for post graduate students, Departmental rosters for outpatient teaching are individually followed. All the undergraduate and postgraduate students also participate in Camps, and Satellite clinic postings.

In-patient teaching

According to norms of the DCI, a 100 bedded Surya hospital is integrally attached with the college, as part of teaching hospital facility. BDS 3rd year students attend the in-patient teaching classes encompassing, General Medicine and General Surgery postings. Apart from this, the interns attend in-patient teaching during elective postings of 15 days in the Surya hospital.

Post graduate students from the Department of Oral Surgery attend in-patient teaching on patients admitted in recovery wards after a surgery, as part of their inherent curriculum. Post graduate students from the Department of Pedodontics also attend in-patient teaching on patients admitted in recovery wards, after treatments rendered in General Anaesthesia for clinical training purposes.

Clinical teaching in other sites

Undergraduate students attend clinical teaching during camps and satellite clinic postings. Post graduate students from the departments of Oral Surgery, Oral Medicine and Oral Pathology also attend clinical teaching during camps and peripheral postings.

Teaching in the community

The institution encourages community teaching to a vast extent. The institution has made adequate arrangements for teaching in villages, schools and corporate sector. Both undergraduate and postgraduate students attend various programs conducted by the institution such as organization of school camps for prevention of dental caries and awareness of ill effects of malocclusion. The institution takes due responsibility towards educating the community regarding measures of general hygiene e.g. proper hand washing techniques, avoiding defecation in open to prevent water borne diseases, maintenance of oral hygiene etc. The institution is keen on educating the community against female foeticide and has taken effective measures in women empowerment as well. Educating the community regarding promotion of positive health through oral health education skits, nukkadnataks during celebration of World no- tobacco day and Diabetes day, has enlightened the students to understand their responsibilities and commitment towards the community.

2.3.2 Does the institution provides course objectives, outlines and schedules at the commencement of the academic session? If yes, how is the effectiveness of the process ensured?

Yes, the institution provides course objectives and gives strong emphasis to its proper application. This is planned at the beginning of each academic session.

The effectiveness of the undergraduate program is ensured through individual Departmental review meeting with the Head of Department. Nevertheless, for the Postgraduate program, the usefulness is warranted by at length discussions with the Director-PG studies through critical evaluation of post graduate log books and serial progress reports.

2.3.3 Does the institution face any challenges in completing the curriculum within the stipulated time frame and calendar? If yes, elaborate on the challenges encountered and the institutional measures to overcome these.

Over the years it has been ardently observed that the college has not faced any major challenges in completion of the curriculum within the stipulated time frame of calendar year. The course planning for undergraduates and postgraduates has been conceptualized according to the course guidelines by the DCI, in a manner that the curriculum is completed within specific time frame.

2.3.4 How is learning made student-centric? Give a list of participatory learning activities adopted by the faculty that contributes to holistic development and improved student learning, besides facilitating life-long learning and knowledge management.

The undergraduate and post graduate courses are made student centric by making the course more interactive and evidence based. Undergraduate students are provided with online MS power point presentations 15 days prior to the scheduled lecture. The practical classes are made interactive by giving demonstrations, simulations etc. Students are required to complete pre-clinical quota before they can proceed for clinical work on patients. Post graduate students are necessitated to present a minimum of 15 seminars, 15 Journal clubs and 15 case presentations in the entire three year tenure of course. Besides these practices, learning is made more conducive by conduction of Interdepartmental seminars, Webinars, Guest lectures, Pre-conference courses and Workshops, Continuing education programs and Oral Medicine-Oral Surgery-Oral Pathology deliberations, to cite a few.

2.3.5 What is the institution's policy on inviting experts / people of eminence to augment teaching-learning activities?

The institution has espoused a liberal policy on inviting experts to widen the horizons of teaching-learning activities. Depending upon the requirements, the Departmental Heads recommend a list of eminent personalities performing relevant creative work for patient's benefit in the field of dentistry. The institute invites shortlisted personalities to intermingle with the students. The students are encouraged to learn from them as well as clear any of their queries. Such events help to draw attention towards advances in the realm of dentistry and persuade the students to pick up related topics for research purposes as well. For instance, Dr. Usha Agrawal (Scientist E, National Institute of Pathology, Indian Council of Medical Research, New Delhi) was invited to speak upon genomic DNA isolation and Polymerase Chain Reaction. The workshop was organized by the Department of Oral Pathology and Microbiology in collaboration with the Centre for Advanced Research.

A comprehensive list of the various expert / people of eminence who were invited to augment teaching learning activities has been provided in section 3.1.6 and 3.1.7

2.3.6 Does the institution formally encourage learning by using e-learning resources?

Yes, the institute encourages learning through e-learning resources. Such resources include, subscription to online journals using EBSCO. The e-journals and e-books can easily be accessed since the campus is Wi-Fi enabled. This 24x7 availability of the World Wide Web provokes an easy access to Webinars, Online research material etc.

The students may also access MS power point presentations online prior to and after the lecture for better understanding of the concerned subject topic.

2.3.7 What are the technologies and facilities such as virtual laboratories, e-learning and open educational resources used by the faculty for effective teaching?

Besides above mentioned e-learning resources, the institute is down to business in the custom of making available the MS power point presentations and recorded reading material in form of CDs for learning. Each Department has a dedicated Wi-Fi enabled seminar room meant for post graduates to enable access to World Wide Web, in case of queries arising during interactive seminars, Journal clubs and Case presentation discussions. Each department also has a dyed-in-the-wool computer lab for quick access. Lecture halls are supported with Smart white boards, LCD projectors and Wi-Fi enabled computer terminals for easy accessibility to e-learning and virtual learning resources.

2.3.8 Is there any designated group among the faculty to monitor the trends and issues regarding developments in Open Source Community and integrate its benefits in the institution's educational processes?

Students are encouraged to access the open source community to avail teaching-learning benefits. To monitor the trends and issues regarding developments in Open Source Community, a faculty is designated by the Head of the department for the specific topic of concerns for the students to check the accuracy of such information. If found relevant, the students can avail the facts for advanced learning.

2.3.9 What steps has the institution taken to transition from traditional classrooms into an e-learning environment?

Over recent years, the institution has gradually transformed traditional learning to e-learning capacity. The college is devoted upon conducting Live video interactions, Live demonstrations, Webinars etc. to facilitate such processes. Also, 24x7 availability of Wi-Fi supplements e-learning methodology. The availability of MS power point presentations to the students creates a channel for easy access towards the same.

2.3.10 Is there provision for the services of counselors / mentors/ advisors for each class or group of students for academic, personal and psycho-social guidance? If yes, give details of the process and the number of students who have benefitted.

Yes, a provision for counselor/mentors has been made for the undergraduates for academic, personal and psycho-social guidance,

wherein a maximum of 10 students are allotted to each mentor. However, for the post graduate students, guides and co-guides act as counselors and mentors for the entire course, thereby establishing a one-on-one rapport with the students to nurture not only academic quotient of the students, but also take care of emotional and social needs. For students who lag academically, their performance is closely monitored and students are awarded for eliciting improvements in their own relative ranks.

2.3.11 Were any innovative teaching approaches/methods/practices adopted and implemented by the faculty during the last four years? If yes, did they improve learning? What were the methods used to evaluate the impact of such practices? What are the efforts made by the institution in giving the faculty due recognition for innovation in teaching?

Yes, the institute has adopted the use of MS power point presentations in teaching and learning. The institute promotes Integrated teaching, Evidence-based and Problem-based-learning at each level. The various approaches and practices vary from department to department based on the knowledge and skills that need to be acquired.

The innovative teaching methods adopted by various departments have been highlighted in the evaluative reports of the individual departments.

The efficacy of most of these innovative approaches has been found to be beneficial and the remaining approaches are further reviewed, revamped and re-implemented after the periodic feedback by the students and faculty members.

The efforts in this regard by the faculties are appreciated in their annual appraisal.

2.3.12 How does the institution create a culture of instilling and nurturing creativity and scientific temper among the learners?

The institution strongly focuses on instilling and nurturing creativity and scientific temper amongst its students. Both the undergraduate (BDS) and postgraduate (MDS) students are encouraged to take part in conferences, workshops, symposiums etc. at National as well as International platforms, where they are stimulated to present scientific papers and posters under the guidance of dedicated faculty members. Students are also steered to write papers for journals of high impact. The ranks achieved during scientific presentations and during exams are recognized by the college and students are also awarded in order of merit. For further boosting the scientific temper of students, the college institutes a unique Young Researcher Award for competent students. The institution also organizes a cultural program known as ‘_EUPHORIA’ and inter college festival known as ‘_OCCLUSION’ every year, whereby the cultural creativity of students is fostered through numerous events such as Singing, Dancing, Face painting, Rangoli making etc.

2.3.13 Does the institution consider student projects mandatory in the learning program? If yes, for how many programs have they been (percentage of total) made mandatory?

According to the DCI curriculum, project submission is not mandatory for undergraduates. However, in order to infuse team work and healthy competitive spirit amongst students, they are encouraged to submit scientific projects for which a panel of judges decides the best three projects and consequently the selected projects are awarded.

The undergraduate students also perform dynamic projects in the Centre for Advanced Research and publish the original research work. With regard to post graduate students, projects in the form of Library dissertations and Thesis are mandatory, which the students perform either in-house or in collaboration with outside agencies. Although, for post graduate students, submission of one project is mandatory; the institute's students accomplish multiple projects.

Names of external institutions for student project work

Some of the external institutions for student project work/thesis are University College of Medical Sciences (UCMS) / Guru Teg Bahadur (GTB) hospital, New Delhi; National Institute of Pathology, ICMR, New Delhi; Institute of Cytopathology and Preventive Oncology, Noida; and S N Medical College, Agra.

Role of faculty in facilitating such projects

Faculty members undertake a paramount responsibility in completion of designated projects by working as moderators, guides and co-guides. They are in charge of allocation, design, and finalization of the topics. Additionally, the faculty maintains a close tab on the progress of such projects and helps the students to complete these ventures in a specified time frame.

2.3.14 Does the institution have a well qualified pool of human resource to meet the requirements of the curriculum? If there is a shortfall, how is it supplemented?

Yes, the institution has more than the required faculty members as a well-qualified pool for both the BDS and MDS programs. The Dental Council of India (Statutory body) has decided a minimum number of faculty members for Undergraduate and Postgraduate programs with adequate teaching experience and number of publications. The requirements of curriculum are met according to the rules given by the Dental Council of India. For instance, in order to run 6 PG seats in a particular department, the baseline number of faculty required is 2 Professors, 4 Readers and 2 Senior Lecturers. Any shortfall due to loss of faculty is compensated through prompt recruitment.

2.3.15 How are the faculty enabled to prepare computer-aided teaching/ learning materials? What are the facilities available in the institution for such efforts?

As highlighted previously, the institute campus is Wi-Fi enabled, which assists the faculty to prepare their presentations and lectures. Also, every department has a well equipped departmental library with computers and printers. A computer operator is allocated to every department who assists the faculty in collecting and segregating data from the World Wide Web. Every Head of Department has been issued a laptop from the college so that the utility can be used at his/her convenience. Faculty is also encouraged to use the Smart boards in lecture theatres and access 24x7 services of IT Centre for preparation of the most up to date teaching material.

2.3.16 Does the institution have a mechanism for the evaluation of teachers by the students/alumni? If yes, how is the evaluation feedback used to improve the quality of the teaching-learning process?

There are two schools of thought for obtaining feedback from students. The first one advocates that feedback should not be made mandatory as it gets biased towards the faculty who are strict in their conduct. Whereas, the second school of thought commands the system of obtaining student feedback as it instills the improvement in teaching by the faculty. Therefore, although the institution has a mechanism for evaluation of teachers by the students through feedback forms, the questionnaire for the feedback is specific and structured (to be answered in Yes/No) and not open ended. Name of the student in the feedback form is also kept confidential. The feedback is carefully evaluated and compared, both with fast and slow learners within a class, in order to derive a conclusion. The data obtained is afterward evaluated by the HOD/Principal/ Director-PG studies, who instruct remedial measures to the concerned faculty regarding their perceived teaching methodology by students, in a polished way.

2.3.17 Does the institution use telemedicine facilities for teaching-learning processes? If yes, cite a few instances.

Telemedicine is not being used as of now, and the institute is in the process of developing the same.

2.3.18 Does the institution utilize any of the following innovations in its teaching-learning processes?

ICT enabled flexible teaching system

Yes, the institute has witnessed a paradigm shift from regular chalk-board teaching to application of information and communication technology in the teaching-learning process. Owing to 24x7 availability of Wi-Fi in campus and personal

laptops for each student, the geographical boundaries to reaching the required information have distinctly diminished. E- journals, E- books and MS power point presentations are easy to gain through the use of ICT. All the teachers have been provided with an official email address which has enhanced their approachability by students to attend to any queries.

Reflective learning

Yes, the institute encourages the students to be a reflective learner and subscribes to principles of reflective learning. The institute believes that only sustainable and practical mode of continuous learning amount to reflective learning and the institute endeavors to prepare its students to embrace this philosophy.

Simulations

Yes, the use of simulations for teaching-learning method is frequently practiced. Prior to entering in the clinics, students are sensitized towards the treatment regimens by use of simulators such as working on phantom head in Endodontics, and Dolphin software in Orthodontics.

Evidence based medicine

Yes, the institute acknowledges evidence-based learning. The faculty upgrade themselves with new treatment protocols by thoroughly learning the latter's pros and cons while considering application of the same in a clinically simulated environment. This practice serves as a guide path for students.

Emphasis on development of required skills, adequate knowledge and appropriate attitude to practice medicine

Yes, as a part of learning process, students are taught all the pre requisites and the basics of subject through lectures, discussions etc. in order to develop a basic understanding of the subject. Students are further given a problem which extends over and afar the taught knowledge. This encourages them to explore beyond, which aids them in stirring their existing knowledge. At any moment, when a student feels exhausted by the given challenge, the faculty lends him/her a helping hand by encouraging him/her to be more resilient.

Problem based learning (PBL)

Yes, open ended problems indeed help the students to amplify their horizons to discover and critically analyze, with concurrent development of team spirit. The faculty enhances such discussions and monitors the students regularly.

Student assisted teaching (SAT)

Yes, Student assisted teaching through presentations by interns and Post graduate students develop an advantageous environment duly accredited by the students.

Self directed learning and skills development (SDL)

Yes, undergraduate as well as postgraduate students are encouraged for self-directed learning and skill development through presentations at national and international platforms. These avenues include conference presentations along with presentations within their respective departments such as Seminars, Journal clubs, Case presentations etc.

Narrative based medicine

Yes, Narrative based medicine helps students to gain experience regarding the treatment strategies from their mentors and teachers, where teachers split their familiarity about treating or diagnosing a case and narrating identically to the students in theory or practical classes in an elaborated manner.

Medical humanities

Not applicable

Drug and poison information assistance centre Not applicable**Ayurveda practices**

Although, allopathic treatment modality is mainly practiced in the field of Dentistry, yet certain herbs such as Aloe Vera, Clove, and Neem etc. are successfully employed for treating dental diseases.

Yoga practices

Yes

Yoga therapy techniques

Yes, Yoga therapy in the form of mouth opening exercises in treatment of conditions such as, Oral Sub mucous fibrosis and management of Temporomandibular joint disorders are frequently practiced.

Naturopathy and its practices

Yes, Naturopathy is concerned with supporting the disease to heal itself, rather than a blanket approach, which fails to identify the causative, precipitating and exacerbating factors. One such example in the field of dentistry in treatment of Oral Sub mucous fibrosis is by the use of Turmeric. This is again practiced in research based set up at the institute.

Any other

None

2.3.19 Does the institution have an Electronic Medical Records facility, staffed by trained and qualified personnel? Is it used for teaching-learning process?

Yes, the institution has an Electronic Medical Records facility through ORION software. This is retained by trained and qualified personnel. ORION has records of each patient from the time of registration in college OPD till the completion of his/her treatment(s). The records can be easily accessed and retrieved by any department, by simply entering the OPD registration number but with restricted access to authorized employees only. They can furthermore be utilized for teaching and learning purposes.

2.3.20 Does the institution have well documented procedures for case sheet writing, obtaining informed consent and the discharge process of the patients?

Yes, the institution has a well documented procedure for case sheet writing and assistance to patients towards providing informed consent is also put in place. For the patients admitted in recovery wards, a well documented discharge process in the form of discharge summary is also obtainable.

2.3.21 Does the institution produce videos of clinical cases and use them for teaching/learning processes?

Yes, the students and faculty of the institution produce videos of interesting clinical cases such as Surgical procedures and Oral Implantology. These vignettes are implemented for teaching and learning, when applicable.

2.3.22 Does the institution perform medico legal/post-mortem procedures with a view to train the undergraduate and post-graduate students in medico legal procedures?

Post mortem procedures are not included as part of dental education curriculum. Undergraduate students do not directly get involved in the process. However, Post graduate students from the Department of Oral Surgery are trained in this aspect and play an important role in cases involving medico-legal procedures.

2.3.23 Does the institution have drug and poison information and poison detection centres? How are these used to train the students?

The institute reports all the allergic and adverse drugs reactions to Adverse Drug Reaction monitoring cell through an adverse drug reaction reporting, from which they are submitted to the Meerut Zonal ADR Monitoring cell and the Lady Harding Medical College following the guidelines of the National Poison Information Centre, AIIMS, New Delhi.

2.3.24 Does the institution have a Pharmacovigilance / Toxicology centre /clinical pharmacy facility/drug information centre/Centre for disease surveillance and control/Prevention through Yoga/Promotion of positive health/Well-equipped Psychology Laboratory/Naturopathic diagnostic centre, etc.?

The institution has a Pharmacovigilance centre under the guidance of the Pharmacology department. Also, clinical pharmacy facility is active in collaboration with the Pharmacy and Paramedical Colleges of the ITS group of institutions. The Pharmacology department has a drug catalogue information booklet of different manufacturers to assist the students. Centre for disease surveillance for Tuberculosis is under straight monitoring of the Surya Hospital which is in affiliation to the I.T.S Group of institutions. Yoga practice is conducted by the Physiotherapy Department of the I.T.S group under a trained yoga instructor. Promotion of positive health is focused upon through celebration of days such as World no tobacco day, Diabetes day etc. A noble initiative for promotion of positive health is also functional through the tobacco cessation clinic, which is supervised by the Department of Public Health Dentistry.

2.3.25 Laboratories / Diagnostics

How is the student's learning process in the laboratories / diagnostics monitored? Provide the laboratory time table (for the different courses).

The students learning process in the Hematology laboratory is closely scrutinized by the Department of Oral Pathology, whereas the Department of Oral Medicine monitors students' progress in the Radiology Laboratory. The detailed time table will be provide onsite.

Student staff ratio in the laboratories/diagnostics.

The student staff ratio in the laboratories/ diagnostics is maintained on a rotation basis.

2.3.26 How many procedures/clinical cases/surgeries are observed, assisted, performed with assistance and carried out independently by students in order to fulfill learning objectives?

The procedures/ clinical cases/surgeries observed, assisted and performed with assistance are followed as per the DCI curriculum.

2.3.27 Does the institution provide patients with information on complementary and alternative systems of Medicine?

Though dentistry follows allopathic system of medicine, however certain procedures using alternative systems of medicine such as the use of Turmeric in treatment of OSMF is routinely practiced. Along with this, yoga therapy in the form of mouth opening exercises in

OSMF patients and exercises for treatment of TMJ disorders are also routinely practiced.

2.3.28 What are the methods used to promote teaching-learning process in the clinical setting?

Numerous methods are adopted to promote teaching-learning process in the clinical setting. A few of them include, Chair side discussions, Case based learning, One-on-one discussion, End posting Viva voce, Demonstrations, OT-Cameras and Live demonstration of surgeries in the Department of Oral Surgery and Live demonstration of Oral Implant surgeries from Oral Implantology clinic to the Lecture theatres.

2.3.29 Do students maintain log books of their teaching-learning activities?

Yes, both Undergraduate and Postgraduate students are required to maintain log books which will be available onsite. The institute prepares logbooks before the commencement of each session.

2.3.30 Is there a structured mechanism for post graduate teaching-learning process?

Yes, there is a structured mechanism for post graduate teaching learning process. The mechanism includes time tables for both BDS and MDS programs, basic science lectures scheduled for post graduate students and preclinical clinical posting schedule for post graduate students.

2.3.31 Provide the following details about each of the teaching programs:

Number of didactic lectures (yearly):

The number of didactic lectures per subject exceeds the minimum requirement as proposed by the Dental Council of India. The details are:

Department	Number of lectures
General Human Anatomy	132
Physiology	176
Biochemistry	132
Pharmacology	88
General Pathology	88
Microbiology	88
Dental Materials	132
Oral Pathology	176 (DADH); 88 (Oral Pathology)
General Medicine	132
General Surgery	132
Oral Medicine and Radiology	132

Oral Surgery	132
Conservative dentistry	176
Prosthodontics	220
Periodontics	132
Pedodontics	132
Orthodontics	88
Oral Surgery	132
Public Health Dentistry	132

Number of students in each batch.

Batch	Number of students
BDS 2016 batch	61
BDS 2015 batch	100
BDS 2014 batch	100
BDS 2013 batch	99
BDS 2012 batch	97
MDS 2016 batch	49
MDS 2015 batch	50
MDS 2014 batch	50
MDS 2013 batch	48
MDS 2012 batch	49

Number of rotations.

Year	Number of rotations (per year)
BDS III Year	10
BDS IV Year	10
Interns	10

Nursing care conference.

Not applicable.

Number of medical/dental procedures that students get to see.

The number of medical and dental procedures that undergraduate and postgraduate students get to see suffice and exceed the bare minimum requirement given by the Statuary/Governing body (The Dental Council of India).

Mannequins / Simulation / skills laboratory for student teaching.

The facilities are listed as:

- 50 mannequins for pre-clinical conservative lab for teaching the second year BDS students.
- 6 mannequins in the PG pre-clinical lab of conservative dentistry for postgraduate students.
- 6 mannequins in the PG pre-clinical lab of the Department of Pedodontics for postgraduate students.

- 65 Monocular Compound Microscopes, 22 Binocular compound microscopes, 01 decahead including research microscope with digital camera and one stereomicroscope, polarizing and florescence attachments, used for both UG and PGteaching and for research purpose in the Department of Oral Pathology.
Image Analysis Software- Magnus pro is also used for teaching purposes in the Department of Oral Pathology.
- Dolphin software for analysis and simulation of patient treatment in the Department of Orthodontics.

Number of students inside the operation rooms at a given time.

Year	Number of students
BDS III Year	10
BDS IV Year	10
Interns	10
MDS	18

Other students see the procedures by the camera feed at the OT.

Average number of procedures in the ORs per week, month and year (2014).

Departments	Procedures (per week)	Procedures (per month)	Procedures (per year)
Oral Medicine and Radiology	1751	7588	91060
Oral Surgery	644	2789	33463
Conservative dentistry	485	2102	25226
Prosthodontics	162	703	8438
Periodontics	275	1193	14315
Pedodontics	323	1400	16801
Orthodontics	75	324	3884
Oral Pathology	196	850	10205
Public Health Dentistry	270	1169	14023

Average number of procedures in the ORs per week, month and year (2015).

Departments	Procedures (per week)	Procedures (per month)	Procedures (per year)
Oral Medicine and Radiology	1631	7068	84815
Oral Surgery	642	2781	33367
Conservative dentistry	644	2791	33489
Prosthodontics	204	886	10630
Periodontics	587	2544	30527
Pedodontics	395	1710	20523
Orthodontics	103	448	5374
Oral Pathology	88	382	4588
Public Health Dentistry	421	1824	21885

Average number of procedures in the ORs per week, month and year (2016).

Departments	Procedures (per week)	Procedures (per month)	Procedures (per year)
Oral Medicine and Radiology	1655	7173	86071
Oral Surgery	657	2847	34160
Conservative dentistry	610	2643	31711
Prosthodontics	231	1000	12001
Periodontics	509	2203	26437
Pedodontics	580	2513	30150
Orthodontics	56	241	2888
Oral Pathology	43	185	2222
Public Health Dentistry	376	1628	19531

Autopsy/Post mortem facility.

Our hospital is not designated to conduct Autopsy/Post mortem

2.4 Teacher Quality

2.4.1 How does the institution plan and facilitate its faculty to meet the changing requirements of the curriculum?

The institution plans and facilitates its faculty to meet the changing requirements of the curriculum by following modes:

Improving academic resources:

The institution encourages organization and participation in seminars, conferences, workshops, to keep shoulder to shoulder with ever expanding spheres of dentistry. Faculty development and Teacher training programs have immensely contributed to the enhancement of knowledge and expertise of the institute's faculty members.

Clinco Pathological Conferences are conducted on monthly basis in the institution, involving participation from undergraduate and post graduate students and faculty members from all the constituent departments.

Through literature analysis of scientific articles in all presentations and Evidence Based learning, a considerable enrichment is achieved in research aspect. The institution has its own journal, —The Journal of Dental Specialities‡ and the faculty is encouraged to scientifically contribute in it.

All faculty members are provided 15 academic leaves every calendar year for participation in academic activities, and representing the institute at platforms of note worthy excellence.

At an international level, the faculty interacts regularly with professors and/or teachers of acclaimed institutes such as The Tufts University School of Dental Medicine (TUSDM), Boston, USA and many other

universities across the nation, which aids in incorporating the latter's ubiquitous teaching methods and ideas in the institute's educational system.

In collaboration with the Bioner Implants (Spain), the institution has developed an Oral Implantology course for training the students in the specialty of Oral Implantology. The course is certified by The International Congress of Oral Impantologists and The Universidad Catolica San Antonio de, Murcia (UCAM), Spain.

2.4.2 Does the institution encourage diversity in its faculty recruitment? Provide the following details (department / school-wise).

Yes, the institution encourages diversity in its faculty recruitment. More than 50% of faculty is from areas outside the state.

The table below depicts the above said information:

Department	% of faculty from the same institution	% faculty from other institutions within the state	% faculty from institutions outside the state	% faculty from other countries
Oral medicine and radiology	28.8%	14.3%	56.9%	-
Oral surgery	14.2%	42.9%	42.9%	-
Conservative dentistry	28.5%	28.5%	43%	-
Prosthodontics	37.5%	25%	37.5%	-
Periodontics	12.5%	25%	62.5%	-
Orthodontics	37.5%	12.5%	50%	-
Pedododntics	30%	10%	60%	-
Public health dentistry	20%	40%	40%	-
Oral pathology	37.5%	25%	37.5%	-

2.4.3 How does the institution ensure that qualified faculty is appointed for new programs / emerging areas of study? How many faculty members were appointed to teach new programs during the last four years?

The institution reinforces new programs and emerging areas of study, not only by appointing new faculty, but also by training and refinement of the existing enrolled faculty.

New programs:

Faculty members from the Department of Prosthodontics have completed a course on Bioner Implants system. In continuation of this, workings of the same are incorporated into the institute's educational system by training the students and conducting several dissertations of

post- graduate students based on Oral Implant systems. In collaboration with Bioner Implants, the institution has also organised an implant course and training program for training the students and faculty members. The course is certified by the International Congress of Oral Implantologists and the Universidad Catolica San Antonio de Murcia (UCAM), Spain. All the clinical and academic modules are conducted under the guidance and supervision of renowned international and national clinicians as well as academicians.

Similarly, several faculty members from various departments of the institution have done certified courses and training programs on subjects such as, Cone Beam Computerised Tomography, CAD CAM procedures, Conscious sedation, Orthognathic surgery and Lingual orthodontics and Research Methodology. These topics are routinely practiced in the indicated cases and the students are also trained for the same.

Additionally, faculty members also have completed courses on ‘Lasers in Dentistry’, which is the latest and a refined treatment approach in field of dentistry. The institution is in the process of assimilating it into the curriculum and has planned Society for oral laser application (SOLA) conference, in the upcoming month of February which shall be attended by post graduates and faculty members of the institution and other colleges nationwide.

2.4.4 How many Emeritus / Adjunct Faculty / Visiting Professors are on the rolls of the institution?

Professor Emeritus : 1

Adjunct faculty and visiting faculty is not permitted by the Dental Council of India, thus encouraging full time staff is the standard norm of the institute. However, the institution does invite guest speakers during CDE programs and for other emerging areas of study.

2.4.5 What policies/systems are in place to academically recharge and rejuvenate teachers? (e.g. providing research grants, study leave, nomination to national/international conferences/seminars, in-service training, organizing national/international conferences etc.)

Following policy statements are incorporated in institutional mechanism to academically recharge and rejuvenate teachers:

The Institution hosts National conferences, Post-graduate conventions, Seminars, CDE’s and Workshops every year.

Academic leave is provided every year to each faculty member to attend Conferences, Conventions, Seminars, CDE’s and Workshops outside the institution.

Teacher training programs and Leadership programs are organized to enhance the teaching skills and raise the standards of education.

Financial assistance is provided by the institution to all the faculty members for Conferences, DCI inspections and Invigilation tasks outside the institution.

Encouraging innovation and with the intention of adding new to the field of dentistry, financial assistance is provided for the research work to innovative and creative faculty members.

Study leave is granted to participate in the programs related to new emerging areas of study to the faculty members.

Art of living programs, meditation sessions and excursions are organized by the institution periodically to rejuvenate its faculty members and promote interpersonal bonding.

The faculty members and employee of the institution who have completed 5 or more year of service are allowed special travel leave and reimbursement for out station visits.

2.4.6 How many faculty received awards / recognitions for excellence in teaching at the state, national and international level during the last four years?

The table below highlights the number of faculty who has received national/international awards in the last four years, in all its parent departments:

Department	National Awards	International
Oral medicine and radiology	2	-
Oral surgery	3	1
Conservative dentistry	-	-
Prosthodontics	3	3
Periodontics	4	2
Orthodontics	3	-
Pedodontics	2	-
Public health dentistry	-	-
Oral pathology	2	-

2.4.7 How many faculty underwent professional development programs during the last four years? (add any other program if necessary)

Faculty development programs	Number of faculty attended
Induction programs	100%
Re-orientation programs	100%
Refresher courses	100%
Capacity building programs	75%
Programs by regulatory/apex bodies	50%

2.4.8 How often does the institution organize academic development programs (e.g.: curriculum development, teaching-learning methods, examination reforms, content / knowledge management, etc.) for its faculty aimed at enriching the teaching-learning process?

The institution periodically organizes academic development programs by inviting eminent experts for delivering lectures. Faculty is continuously encouraged to attend various Refresher courses and Faculty Development Programs in an array of diverse topics ranging from Research to Clinical development programs.

List of Programs in the last 4 years:

In collaboration with the Bioner Implants (Spain), the institution has organised an Oral Implantology course cum training program for training the students and faculty members. The course is certified by the International Congress of Oral Impantologists and the Universidad Catolica San Antonio de, Murcia (UCAM), Spain. All the clinical and academic modules are conducted under the guidance and supervision of renowned international and national clinicians and academicians. Faculty members from the Department of Prosthodontics, Oral Surgery and Periodontics are an active part of the entire program. Clinical practice management program too has been conducted by note worthy experts. The program has bestowed clinical management skills to raise the standard of clinical practice of the students as well as faculty members.

The institution hosts Pre-conference courses, CDE programs, National conferences and PG conventions almost every year.

2.4.9 Does the institution have a mechanism to retain faculty? What is the annual attrition rate among the faculty?

Yes the institution has a mechanism to retain faculty in the following manner:

Yearly appraisal increments are given to the faculty members based on their performance. Incidentally, more than 50% of the heads of the departments in the institute are the ones, who had joined the institution as senior lecturers. Moreover, greater than 60% of the professors are rendering their services to the institution for more than 7 years and 50% of the readers are in service for the last 5 years. This clearly elicits the fact that the institution retains its faculty members in a significant way.

A fixed number of academic, medical , and casual leaves along with winter and summer vacations are allotted to every faculty member. In addition to this, after 6 months of service earned leaves are added to their account as per leave rules. The institution has a

very healthy and friendly environment to work; excursions, get-togethers and picnics are organized for the faculty members periodically.

The institution respects the need of its faculty members and keeps an option open of providing advance payments on need based criteria. The institution, additionally, keeps the career growth graph rising, by giving promotions on time to the faculty members. Considering health of its employees on a priority, all the faculty members are duly insured with health insurance. The institution has an impeccable track record of delivering monthly salaries on time to the faculty members thereby gaining a wide spread support from its faculty.

The institution invests in its staff and acknowledges their longstanding service, thereby encouraging retention. The service rules are followed meticulously, which helps to attract and retain eminent faculty.

Attrition rate for the last 5 years:

- 2012: 2.96%
- 2013: 2.18%
- 2014: 2.54%
- 2015: 1.95%
- 2016: 1.83%

2.4.10 Does the institution have a mechanism to encourage

mobility of faculty between institutions /universities for teaching/research?

No, the Dental council of India does not permit mobility of faculty between institutions, since no faculty member is allowed to join two institutions at the same time, thus allowing only full time staff.

faculty exchange programs with national and international bodies?

Yes.

If yes, how have these schemes helped in enriching the quality of the faculty?

- At an international level, the faculty interacts with professors and teachers of the Tufts University School of Dental Medicine (TUSDM), Boston, USA (International) and incorporates their useful teaching methods and ideas in the institute's mode of operation.
- For example, the Principal of our institution paid a visit to the Tufts University School of Dental Medicine (TUSDM),

Boston, USA and over saw the use of loupes in specialty of Endodontics. Following this observation, to improve the clinical expertise in the institution, the use of loupes is being emphasized in the Department of Endodontics.

- In collaboration with the Bioner Implants (Spain), the institution has organized an Oral Implantology course for training the students and faculty members, in teaching fundamentals of Oral Implantology. The course is certified by the International Congress of Oral Impantologists and the Universidad Catolica San Antonio de, Murcia (UCAM), Spain.

2.4.11 Does the institution have well defined career advancement policy for Health Science professionals? If yes, outline the policy

Yes, the faculty is promoted when they complete the requisite number of years of teaching and obligatory number of publications, as per the rules of the DCI as well as the Service rules.

According to the DCI norms, following are the regulations for various teaching positions in descending order of hierarchy:

Professor – A BDS Degree of an Indian University or an equivalent qualification with Post-graduate qualification / Diplomate of National Board in the subject and with 5 years teaching experience as Reader. Shall have a minimum of 30 publication points.

Reader – A BDS Degree of an Indian University or an equivalent qualification with Post-graduate qualification / Diplomate of National Board in the subject and with 4 years teaching experience after post-graduation. Shall have a minimum of 20 publication points.

In addition to this, financial assistance is provided by the institution for research projects.

There is also a provision of reimbursement of registration, transport and accommodation amount for CDE programs, Conferences and Conventions attended to all the faculty members by the institution. Fixed numbers of academic leaves are given every academic year to each faculty member for attending CDE's, conferences, conventions and other educational programs.

Faculty members who are pursuing higher education and are giving specialty examinations are permitted by the institution to do so by granting them academic leaves for the same.

Sabbaticals

Allowance is given to faculty members who wish to foreign exchange program at the TUFTS University, Boston. Faculty members, who have attended program on 'sedation dentistry' at Hyderabad, have been given assistance by the institution. The Institution has also provided allowance to its faculty member for observer ship on conscious sedation program in Gurugram. To encourage enhanced knowledge for an overall academic development of the institution, appearing in super

specialty examinations is permitted and academic leaves are granted for the same to the concerned faculty member. Similarly, a Course of two months on ‘Cleft Lip and Palate surgery’ at Cleft Center, Boston, United States has been attended by Oral surgery faculty of the institution.

2.4.12 How does the institution create synergies with other PG institutes for generating required number of specialists and super specialists?

The college is self sufficient in this regard and has not felt the demand for creating synergies with other PG institutes.

2.4.13 Does the institution conduct capacity building programs/ courses in subspecialties for its faculty?

Yes, the institute does conduct capacity building programs/courses in subspecialties for its faculty.

The Programs conducted are as under:

- Teacher training program.
- Leadership program.
- Cone beam computerized tomography (CBCT) training program.
- Oral Implantology course.

2.5 Evaluation Process And Reforms

2.5.1 How does the institution ensure that all the stakeholders are aware of the evaluation processes that are in place?

The Institution strictly follows the evaluation process as dictated by the CCS University. Based on the directives and guidelines of the CCS University, the examination section provides methods and procedures on various aspects of evaluation process. Evaluation process is done at institute along with the University level. The institute has appointed a senior professor as Dean-Evaluation, who directly reports to the Principal for BDS students and Director PG for MDS students. The institution organizes Orientation programs for BDS and MDS Students. The students are briefed about the evaluation processes during the orientation programs. Parents of the students are also invited for these programs, which ensure that all the stakeholders are aware of these evaluation processes. Apart from this, printed booklets are given to all the stakeholders and log books are given to the MDS 1st year students, which carries all the details of evaluation process. Evaluation of BDS and MDS students comprises of internal assessment and university examinations.

For the evaluation process, the institute has its own examination cell. The institute has a designated Head of Department and Professor in the Department of Pharmacology as Senior Superintendent Examinations

and Head of Department and Professor in the Department of Biochemistry as Assistant Superintendent Examinations in supervising the conduct of university examinations. The APO is Examinations Section Head of the institute, who assists the chief/ deputy superintendent of university examinations for BDS and MDS students. All students of BDS and MDS can approach any of the above person for any clarification regarding examinations and relevant evaluation process.

2.5.2 What are the important examination reforms implemented by the institution? Cite a few examples which have positively impacted the examination system.

The examination system has been laid by the statutory body, the DCI and the CCS University which is adapted in letter and spirit. The institute follows evaluation process in 2 ways, namely:

Formative Assessment: Internal examinations are held as I
Terminals, II Terminals and Sent up Examinations.
Summative Assessment: Yearly University Examinations.

The Institute persuades the guidelines given by the DCI - governing regulatory body, but at the Institutional level, certain reforms have been made to motivate and initiate the students to perform better. For instance, instead of giving marks, the leadership has introduced a grading system that enables its students to know their performance without being distraught as it equally helps in improving their grades. These are divided as

Departmental Assessment

Internal Assessment (a net total of 200 grades).

After every Term Examinations, a Model Answer Paper is discussed with the students to let them know the art of writing a theory paper. The Answer paper is revealed to all students in front of a Senior Faculty and the student is made ware of areas which he/she can improve upon. Apart from this, other incentives given are, awarding the students for good attendance, sports and excellent recital in academics which help in their holistic development.

2.5.3 What is the average time taken by the University for Declaration of examination results? In case of delay, what measures have been taken to address them? Indicate the mode adopted by the institution for the publication of examination results (e.g. website,SMS, email, etc.).

The university takes a maximum of one month (30 days) after the completion of ultimate practical exam of all other its inclusive colleges to declare the results. Usually there are no delays, but in case of delay, students can write a letter to the University and the institute forwards the letter to Vice- chancellor/Registrar of the CCS University. The University declares the result of BDS and MDS on the University

website. Once the results are declared, the institute informs the students through e mails and SMS, and displays the results on the student's notice board. Individuals can check their result by entering their enrolment number. University further sends the hard copy of Examination results of BDS students to the institution which is collected by APO. All the students collect their exam results from APO Examination section. The University has also started issuing hard copy of the examination result for MDS students only since last year.

2.5.4 How does the institution ensure transparency in the evaluation process? The evaluation process can be discussed as, Internal assessment evaluation of BDS and MDS Students, which includes theory and practical exams.

Internal Assessment Examinations:

BDS Students are briefed of their performance following the three internal assessment examinations. For MDS students, every 6 months, exams are conducted by the respective departments (theory and practical) and final sent up exams before their University examination are organized.

Students are allowed to scrutinize their answer scripts and encouraged to clarify doubts concerning their performance. Students are directed to attend End posting Viva which comprises of Practical session and Viva voce to assess their clinical skills during the respective clinical postings. The students are shown the assessment results and after every Term Examinations, a Model Answer Paper is discussed to let them know the techniques of writing a theory paper.

The students are allowed to converse their problem with a particular faculty member assigned for the same. If the faculty is satisfied, student grades are revised. This information is communicated to the student prior to assessment and is displayed in all departments' notice boards.

Once the University examination results are declared, student can apply for Re-evaluation, if he/she is not satisfied with the obtained marks or can file an RTI for the same.

2.5.5 What are the rigorous features introduced by the university to ensure confidentiality in the conduct of the examinations?

The University (Chaudhary Charan Singh University, Meerut) ensures the confidentiality in the conduct of the examinations. The BDS and MDS students of the University are shuffled amongst different colleges to prevent any use of unfair means. As per regulations, the Centre of examination for theory papers of BDS and MDS student is never the parent institute. External Superintendent is appointed by the University, who resides in the institute's campus from the beginning of examination till end for smooth and uneventful conduct. Several features have been introduced by the University to ensure

confidentiality in the conduct of the BDS and MDS examinations. The features are,

Theory examination:

Question Paper Setting:

Faculty from different colleges is asked to prepare a set of question papers out of which the CCS University finalizes the question paper for its University exams.

Sealed Question Papers are sent by the University Exam Section on the day of examination which are received by the University Superintendent with his signature and timing. The same protocol is followed for deliverance of answer papers which are sealed on the same day of examination by superintendent sent by the University. Before the start of exams, question paper seal is removed by external superintendent following the signature of two assigned invigilators .

Seating arrangements:

Enrollment numbers of the students given by the University are displayed in the examination hall. The institutional Examination Section has a team of male and female members who frisk the students thoroughly before entering the Examination Hall. No electronic gadgets like mobile, tablets or calculator are allowed into the Examination Hall during the examination process.

Monitoring the Examination process

Apart from this, a flying squad appointed by the University visits the examination centre to confirm that examinations are conducted in a fair manner. Cameras/CCTV cams are installed in all examination halls of the Institution to minimize unfair means of malpractice.

Practical examination:

The University appoints one external examiner from a different college for BDS practical exams, and two external examiners from a different University or region for MDS practical examinations. In Practical examinations, answer sheets and 3 evaluation sheets (results) are prepared and sealed, which are submitted in the examination cell. Thereafter, they are sent to the University once all the departmental practical exams are over.

2.5.6 Does the institution have an integrated examination platform for the following processes?

Yes, the institute has an integrated examination platform. The institute has appointed a senior professor as Dean-Evaluation who overlooks examination cell under the supervision of the Principal and Director-PG studies for BDS and MDS students. The CCS University appoints Chief/ Deputy Superintendent for the conduct of University theory

exams and also appoints externals as per the CCS University guidelines for practical exams of BDS as well as MDS Students.

The institute facilitates smooth conduction of exams by the norms of the Chaudhary Charan Singh University. The examination centre for the students is never the parent institute. The I.T.S-CDSR is routinely the examination centre for other colleges as well, which are under the ambit of the CCS University.

The process of examination is similar for both BDS and MDS Students.

Pre-Examination Processes

Institution appoints invigilators during the pre-examination process. Instructions and General Guidelines of the University are being informed prior to the concerned staff and student. The powers and functions of the Chief-superintended appointed by the University are also informed among the concerned staff/faculty. Internal assessment marks are Uploaded/ Sent by the institute to the University website by the APO (Examinations Section Head)

Student list generation: The APO sends the list of eligible students who shall appear for the exam, to the CCS university which is in turn verified by the University.

Examination application form: Students download the examination application form from the University website by entering their enrolment number and after the candidate details are filled, the form is counter endorsed by the Principal for BDS and Director PG for MDS Students.

Online payment gateway: The prescribed examination fee is duly paid by the student to the designated University through Credit card or Debit card or RTGS. The APO sends/uploads the examination application forms to the University after detailed verification.

Hall ticket: The University, after verification of application forms, generates the admit card of the student which is uploaded on the University website. Students can download the same from the University website.

Time table generation: Timetable of exam is generated on the University website which is displayed on the college/student/academic notice board. Students are also informed through SMS and emails.

The Centre of examination in charge, the internal squad, and the invigilators for each day of the university exam are decided prior by the college and the respective appointed faculty is informed and signatures are obtained and the same is also informed to the University

Examination Process

The CCS University sends material required for the examinations, the logistics and management of the same are carried out by the institute. The entire process is carried out by examination cell of the institution. As mentioned under **2.5.5**.

Question paper, Bar-coded Answer sheets and Attendance sheets are sent by the CCS University. Sealed Question Papers are sent by University Exam Section on the day of examination which is received by university Superintendent with his signature and timings. The same protocol is followed for delivering of answer papers which are sealed on the same day of examination by the superintendent and sent to the University. Before the start of exams, question paper seal is removed by external superintendent following the signature of two invigilators.

- Examination process involves: Receiving and handling examination materials from Chaudhary Charan Singh University, seating arrangements, distribution of question papers, proper packing up of answer booklets, attendance sheet and verification, with number of answer books, documentation of invigilation and other exam related process, all under the supervision of superintendent approved by the Chaudhary Charan Singh University.
- Practical examination: The University appoints one external examiner from a different college for BDS practical exams and two external examiners from a different University or region for MDS practical examination. In practical exams, 3 copies of results are sealed and kept in the examination cells which are dispatched to the university after all the department practical examinations are over.

Post-Examination Process

Attendance tallying OMR-based exam results, auto-processing, result processing, and certification, etc are key aspects of this process. The attendance is verified during the examination with the signatures of the candidates appearing for the particular exam, which is further dispatched to the University.

All the activities concerned with post examinations are carried out by the Chaudhary Charan Singh University as mentioned in **2.5.5**.

The University appoints eligible faculty of the respective subjects/specialties for evaluation of answers sheets and OMR-based exam result are made by the evaluators. Marks are obtained by auto processing, thereby the processed results are uploaded onto the University's website.

After declaration of results by the University, each student individually enters his/her enrolment number and can see the result on the University website. Once the results are declared, the Institution informs the students by Emails and SMS and displays the results on the institute's student notice board.

2.5.7 Has the university / institution introduced any reforms in its evaluation process?

The institution follows the guidelines set by the Chaudhary Charan Singh University, Meerut for conducting examination of BDS and MDS Students. The institution follows the criteria and reforms in the evaluation process of the University. The I.T.S-CDSR is one of the main Centers for conduction of theory and practical examinations by the CCS University.

Theory examination

The Institute is the centre of examination for students from other colleges as well, apart from the I.T.S-CSDR. Sets of question papers received are kept under tight security, and opened on the same day of examination, in the presence of external examination observer appointed by the University, just before the commencement.

The University sends sealed question papers which are received by the Examination Section Head of the institute with counter signatures along with receiving time. An external examination observer is appointed by the University for smooth functioning of the examination. Several features have been introduced by the university to ensure confidentiality in the conduct of the examinations.

The APO takes the responsibility of storing and distributing the question papers on scheduled dates. The distribution of question papers is done jointly by the Centre observer, Centre in charge APO and a member of internal squad. The question papers are handed over to the invigilators just before the beginning of examination.

Faculty members of the institute are assigned the task of invigilation, under strict conditions, to ensure fair conduct. The answer sheets are coded, and checked by two examiners, thus ensuring confidentiality and objectivity of the assessment. The same protocol is followed for delivering of answer papers to the University. Camera/CCTV cams are installed in all the examination halls of our Institution to minimize malpractice.

The institutional Examination Section has a team of male and female members who frisk the students before entering the Examination Hall. Electronic gadgets like mobile, tablets or calculator are not allowed into the Examination Hall during the examination process. Apart from this, a flying squad appointed by the University visits the examination center randomly to confirm that the examinations are conducted in a fair and appropriate manner.

Practical examinations

The institutional authority decides upon one internal examiner from the same institution and the University appoints one external examiner (from a different Region/State/University) for BDS students. In contrast, for postgraduate MDS students, the University appoints 2 external examiners from a different University and the institute decides upon two internal examiners from the institute.

Identically, assessment is carried out by both examiners, the candidates' identity is concealed, and two sets of results are submitted at the end of examination in sealed envelopes, duly signed by examiners, one to the University, and one to the Principal. This ensures confidentiality in the practical examinations.

2.5.8 What is the mechanism for redressal of grievances with reference to examinations? Give details.

With reference to redressal of grievances, the institute has maintained a positive approach by way of internal assessment.

Internal examination

The assessed theory paper answer sheets along with the question paper are shown to the students in the lecture hall by the concerned teaching staff. A model answer sheet is prepared and discussed with the students. Marks are displayed onto the website and sent to email ID of each batch. Any doubts which are observed in the correction are brought to the notice of the concerned staff by the students. A revision is intimated to the Head of the Department by the teaching staff and changes made as per the situational need.

The details have also been provided under **2.5.2** and **2.5.4**.

University examination

Redressal of grievances regarding valuation of answer sheets can be obtained from the examination division.

A candidate is entitled to have his/her answer books apply for re-evaluation on the following conditions:

Applications forms for re-evaluation are available in the Chaudhary Charan Singh University and within 30 days of the date on which the result is declared by the university, candidate must fill their forms for re-totalling. Re-totalling will be done only to see that marks awarded for various answers have been correctly added and that all the answers have been assessed by the evaluator.

If any mistake is discovered i.e. if any answer is not corrected by an evaluator, student can file an RTI for Re-checking of answer sheet by the original evaluator.

As a result of rechecking of answer book(s), the original evaluator is called for re-evaluation and then the examination controller / university shall rectify the result.

The University provides opportunity of revaluation for the students to re-evaluate their marks.

2.5.9 Does the institution have a Manual for Examinations and if yes, does it specifically take cognizance of examination malpractices by students, faculty and non-teaching staff?

Scheme of examination for BDS and MDS students is approved by DCI which is followed by our institute and the University.

There is an institutional rule book which provides information regarding examination process for the students and as mentioned under 2.5.1, the college has a policy on student conduct and discipline in written examinations, and elaborated in the Rule book, which is distributed to all the stake holders. This takes cognizance of examination malpractices by students.

2.5.10 What efforts have been made by the university to streamline the operations at the Office of the Controller of Examinations? Mention any significant efforts which have improved the process and functioning of the examination division/section.

The University is making significant efforts to improve the process and functioning of the examination division/ section. Some significant efforts which have improved the process are as follows:

Internal assessment marks can be uploaded online by colleges to the University.

Examination application forms are submitted online to the CCS University.

Hall ticket is approved by the University and issued on its official website.

Evaluation, totaling and result generation through OMR/ Bar Coded format.

Examination results are uploaded on the University website.

2.5.11 What are the efforts of the institution in the assessment of educational outcomes of its students? Give examples against the practices indicated below:

Compatibility of education objectives and learning methods with assessment principles, methods and practices.

By means of feedback forms of teachers, grading and recording student's performance through periodic tests. Practical skills are evaluated through departmental and internal assessments. The ethical, socio-culture and behavioral aspect of health science are imparted in the orientation programs. Community oriented education is assessed through practical evaluation. Interactive sessions, integrated teaching, tutorials, practical case discussions, seminars, operative demonstration, community field visits, health camps, guest lectures , workshops, conferences etc, all are part of the institutional objectives for the BDS and MDS Students.

Balance between formative and summative assessments.

Formative assessments gives the feedback on student's performance which helps to improvise or sustain the performance of students in summative assessment .Conducting three formative (theory / viva / clinical / practical) internal assessments during one academic year

which duplicate the University‘ pattern of question paper and evaluation.

Increasing objectivity in formative assessments.

The structured design of the theory question paper is aimed at increasing objectivity. Through introduction of department and practical assessment, the objectivity of formative assessment is increased.

Formative (theory/ orals/ clinical/ practicals) internal assessments, choice based credit system, grading system; grading/ marking

Conducting three formative (theory / orals / clinical / practical) internal assessments during one academic year which follow the University‘ pattern of question paper and evaluation.

End Posting Exam (EPE)

The institute conducts End Posting Exam (EPE). The students are informed beforehand about the assessment format. After obtaining the basic theoretical knowledge, the students are assessed by means of Practical , and for those who are lagging behind , remedial measures are taken

Further institutional assessment of educational outcomes of its students and Compatibility of education objectives and learning methods with assessment principles, methods and practices are mentioned earlier in 2.6.2

Summative (theory/ oral/ clinical/ practical)

Being an affiliate institute, the summative assessments are done by the University as per the norms laid. The institute is one of the Centers for conduction of theory and practical examinations by the CCS University. This includes providing the necessary examination halls for theory examinations, internet access and uploading marks; space and logistical support for evaluation of answer scripts, use of laboratories and clinics for clinical/practical examination; and hospitality of external examiners.

In addition, the competency assessments may also be part of the annual examination. While they are undertaken primarily as part of formative assessments, it must be noted that students‘ progression is based on the University examination per se and, in part, of their internal assessment examination.

Theory – structure and setting of question papers- Essay, long answers, short answers and MCQS etc. Question banks and key answers

The University theory examination and internal assessments normally includes essay questions, short essays and short answers, although

MCQs as such are not part of the format. However, certain individual departments have taken the initiative to introduce MCQs and provide the necessary answer keys.

Objective structured clinical examination (OSCE). Objective structured practical examination (OSPE)

The institute conducts Internal End Posting Exam (EPE). The students are informed beforehand about the assessment format. After obtaining the basic theoretical knowledge, the students are assessed by means of Practical, and for those who are lagging behind, remedial measures are taken. OSCE and OSPE, both form part of internal assessment as well as the University examinations.

2.5.12 Describe the methods of prevention of malpractice, and mention the number of cases reported and how are they dealt with?

At the time of admission, orientation programs are arranged. The students are addressed about the rules, DOs and DON'Ts of the examination process.

Malpractice in the examination hall by student: Superintendent provides new answer book to the student and seals the prior answer book with proof of malpractice to the CCS University. Internal Observer and external superintendent is appointed in this regard. The institute strictly adheres to the University guidelines. CCTV cameras links are sent to the university. External examiners are appointed by the university, while the invigilators are provided by the Examinations Section of the institute. The ethical values are engrained in students from day one so they do not indulge in malpractice ventures.

Number of cases reported in malpractice: Case reported in malpractice comes under unfair means. Cases have been registered by the superintended appointed by the University. Details of cases that are registered by superintendent are (action has been taken as per the University norms):

2012–14:	Nil
2015:	1 case reported
2016:	1 case reported

2.6. Student Performance and Learning Outcomes

2.6.1 Has the institution articulated its Graduate Attributes? If so, how does it facilitate and monitor its implementation and outcome?

Yes, the college has the qualities and attributes which its graduates must possess. For accomplishing this, the institute has implemented a curriculum which includes an amalgamation of knowledge and skills, social awareness, and critical thinking. The institute is focused towards service learning. In addition, the institute provides adequate clinical experience which offers a wide access to consultative, comprehensive

and emergency oral health care. The institute offers workshops on Basic life support, Practice management and Oral Implantology. Courses for graduates and post graduates which are not available in other colleges of Delhi- NCR region, are hallmark feature of the ITS CDSR, thus making our Institution a class apart from others.

For example, the BLS training programs assists students in demonstrating competence in Managing Medical Emergencies, and lectures in behavioral sciences which facilitates in their competence in Anxiety Management.

The institute continuously monitors implementation and outcome through feedbacks, internal and external assessment examinations, in terms of theory, practical and viva voce.

2.6.2 Does the institution have clearly stated learning outcomes for its academic programs/departments? If yes, give details on how the students and staff are made aware of these?

Yes, the learning outcomes basically describe knowledge, skills and behavior of students as they progress through the program until the time of graduation. The objective of grading system enables the students to perform better and enhance the learning outcomes. The overall assessment of the student is attributed to departmental assessment and internal assessment which includes theory as well as practical examination.

Grading System:

Departmental assessment:

Theory – 50 grades

Practical – 50 grades

Internal Assessment:

Theory – 50 grades

Practical – 50 grades

Total – 200 grades

2.6.3 How are the institution's teaching-learning and assessment strategies structured to facilitate the achievement of the intended learning outcomes?

Every effort is made to ensure that the teaching-learning process is interactive, interesting and meaningful. Some of the participatory methods adopted by the institution are: Staff CPC, Postgraduate student CPC, Undergraduate Students CPC and clinic-pathological every month.

Teaching and learning is facilitated by community oriented programs like health education via counseling of patient, posters and videos, field trips, posting in rural and urban health centers for health check-up camps and street plays. The competence is also evaluated via internal examinations and University based examination.

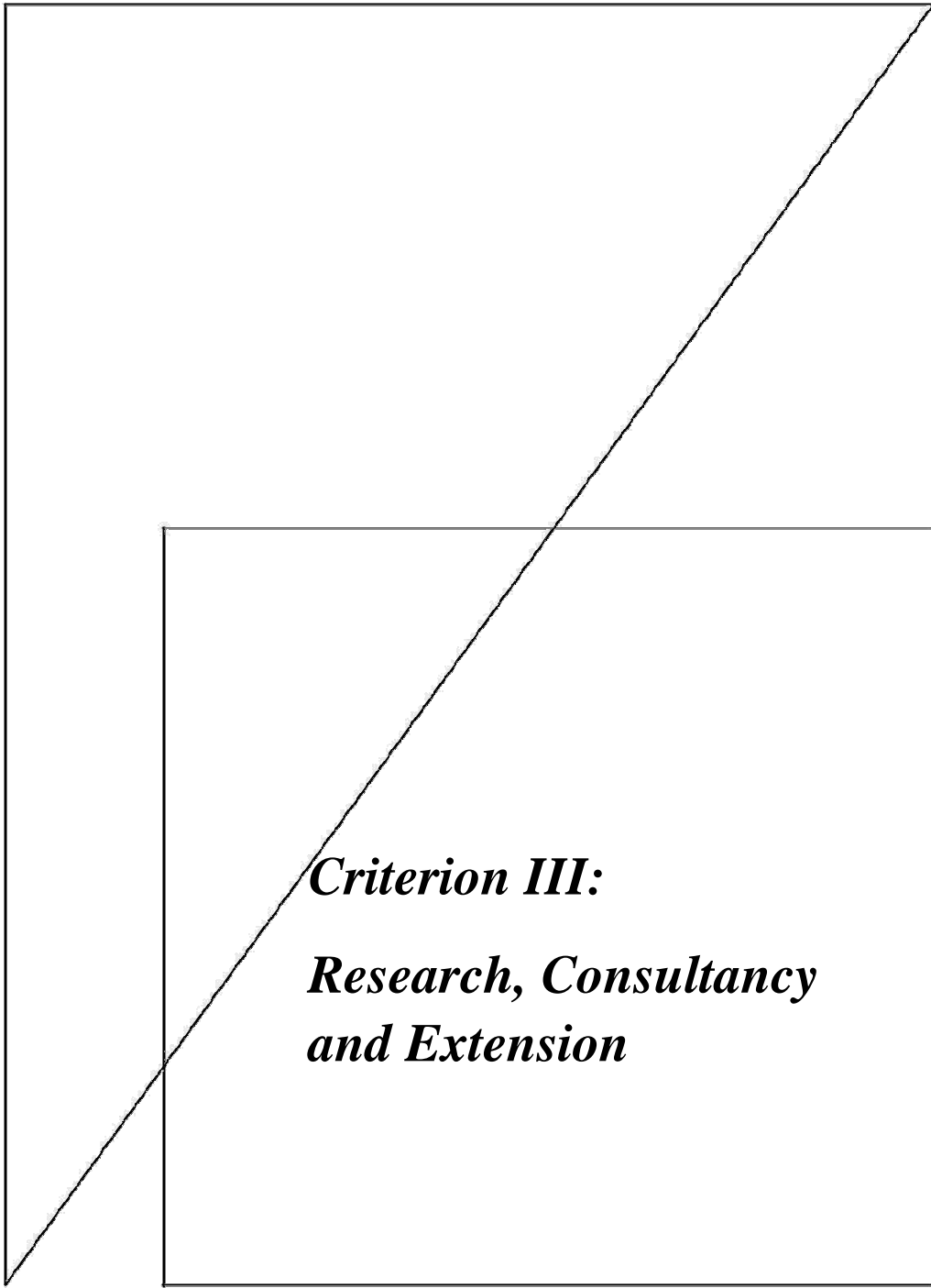
2.6.4 How does the institution ensure that the stated learning outcomes have been achieved?

The institution has been receptive to feedback on quality and effectiveness regarding its learning outcome.

Examination results are evaluated both by formative (internal assessments) and summative (University examinations). The high inflow of patients to our institution has provided the students with abundant clinical material, boosting their clinical and communication skills and increasing their confidence in dealing with any kind of dental problem. The institute is also committed to service learning and devoted for continuous learning.

Job placements of students for higher studies are assessed every year and feedback provided by the alumni is thoroughly read. Awards and recognitions won by staff and students in various academic, research, curricular and extracurricular platforms at state, national and international level are highlighted. Students feed-back on teaching learning and evaluation methods are equally assessed.

At institutional level, certain reforms have been made to motivate and initiate the students to perform better. Student's progression is based on University examination per se and, in part, on their internal assessment examination as well. During rigorous training at I.T.S-CDSR, the BDS and MDS trainees are at forefront for campus selection, interviews in co-operate dental chains (clove dental for instance) and other places of relevant interest. The students are also expeditiously assessed by companies of allied health domains including media, institute of clinical research etc.



***Criterion III:
Research, Consultancy
and Extension***

CRITERION III: RESEARCH, CONSULTANCY AND EXTENSION**3.1 Promotion of Research****3.1.1 Is there an Institutional Research Committee which monitors and addresses issues related to research? If yes, what is its composition? Mention a few recommendations which have been implemented and their impact.**

Yes, there is an institutional research committee which monitors and addresses issues related to research (Details are available in the yearly Annual Report). The composition of the Research Committee includes:

- Chairperson- Prof. Dr. Vinod Sachdev
- Co-Chairperson- Prof. Dr. Devi Charan Shetty
- Members- All Heads of Departments
 - Col Dr S.K. Agarwal
 - Dr Sanjeev Saxena
 - Dr Vidya Dodwad
 - Dr Sonali Taneja
 - Dr Payal Sharma
 - Dr Upasana Sethi
 - Dr Ipseeta Menon

Recommendation:

The Institutional Research Committee is responsible for analyzing the research protocols submitted by various departments, checking for the feasibility of the study and its significance for future research. Apart from the dissertation protocols, Post-graduate students conduct short studies and specified research projects are conducted by the faculty members too. It is the responsibility of all the heads of departments to prepare and approve brief concept notes of these studies which are then forwarded to the Research Committee for further evaluation. These protocols are eventually submitted to the Institutional Ethics Committee.

Impact: There has been a consistent improvement in the quality of research being conducted in the institute, which is reflected in publication of original research work in journals of International repute bearing high impact factor.

Recommendation:

The committee has given recommendations for promoting

undergraduate research where the faculty supervises research protocols of undergraduate students and send it to the Research committee.

Impact: This has led to the introduction of ‘_Young Researcher Award’, which is awarded to students to encourage ground breaking innovations in the field of dentistry.

Recommendation:

The committee has also recommended an official publication of the ITS-CDSR group of dental institutions, 'The Journal of Dental Specialties' in the year 2013. Seven issues have already been published. The journal is indexed with *EBSCO, SIS database, Index Copernicus, Google Scholar, HINARI, ASI database, JI factor, OAJI, EMBASE, Cite Factor, SJIF, Cosmos Factor, international bibliography listings.*

Impact: It has given a very good exposure to faculty and students in the field of scientific writing and analysis of journal articles.

Recommendation:

The committee sends various recommendations based after thorough discussions, for buying new equipment and materials required for research work, which has led to the up gradation of infrastructure of Centre for Advanced Research.

Impact: Students can avail the facilities in the institute for various Metallurgical, Chemical, Microbiological and Genetic tests required for research, thus reducing the dependency on other institutes and diminution in wastage of precious time.

3.1.2 Does the institution have an institutional ethics committee to monitor matters related to the ethics of inclusion of humans and animals in research?

Yes, the institution has an Ethics Committee which is recognized by the Government of India and is valid for 3 years till January 2018. Following are the members of the Institutional Ethics Committee:

ETHICS COMMITTEE		
S. No.	Name	Title
1	Prof (Dr.) S K Gupta, PhD, DSc (HC) FIPS, FIACS, FISER, FRMSA, Ex Prof. & Head, Dept. of Pharmacology, AIIMS & Member Ethics Committee AIIMS, Dean & Director General, Institute of Clinical Research, India A 201, Okhla Ph-1, New Delhi - 110019 Residence: J-36, Saket, New Delhi 110017 Email: skgup@hotmail.com Mobile: 9868902055	Chairperson

2	<p>Dr. Hari Parkash, BDS, MDS, FDS RCPS, FDS RCS, Director General I.T.S Group of Dental Institutions Delhi-Meerut Road, Muradnagar, Ghaziabad UP 201206 India Residence: U-1, Front First Floor, Green Park Ext., New Delhi 110016 Email: drhariparkash@yahoo.com Mobile: 9810118521</p>	Co- Chairperson
3	<p>Dr. Prem Chopra, M.B.B.S, M.D (Pathology), FRC (Path), FAMS, FICP, MME Senior Consultant, Dept. of Pathology, Sir Ganga Ram Hospital, New Delhi Residence: M-125, GK-1, New Delhi- 110048 Email: premchopra2004@yahoo.co.in Mobile: 9871408992</p>	Basic Medical Scientist
4	<p>Dr. Anmol Kalha, Osre, B.Sc. B.D.S, M.D.S, Col (Retd.) Army Dental Corps Cert. Lingual Orthodontics(Germany) Director - PG Studies, I.T.S Dental College, Greater Noida Residence: A 103 Gulmohar Garden, Sec-44, Noida Email: anmolkalha@gmail.com, anmolkalha@hotmail.com Mobile: 9910017111</p>	Clinician
5	<p>Dr. Puneet Ahuja, B.D.S, M.D.S Principal, I.T.S Dental College, Greater Noida Residence: B-501, Gateway Apartments, Sector-51, Noida Email: drahuja14@yahoo.co.in Mobile: 9810825475</p>	Clinician
6	<p>Dr. Devi Charan Shetty, B.D.S, M.D.S Principal, I.T.S-CDSR, Muradnagar Residence: B-3 Staff Quarters, I.T.S Dental College Email: shettydivya76@rediffmail.com, shettydivys76@gmail.com Mobile: 9811585670, 9873525076</p>	Clinician
7	<p>DR. Meenakshi Bajpai, B.Pharm, M.Pharm, Ph.D (Pharmacy), PGD (Ecology & Environment) M.B.A (IGNOU), Dip in HRM (IGNOU) Principal - I.T.S Paramedical College (Pharmacy), Delhi-Meerut Road, Muradnagar, Ghaziabad UP – 201206 Residence: 1-023, Windsor Park, Indrapuram, Ghaziabad UP 201010 Email: mbajpai05@gmail.com Mobile: 9811330854</p>	Pharmacy- Scientist

8	<p>Dr. C. S. Ram, B.P.T, M.S.PT (Sports), UCCPd (UK) M.C.A, PG Dip (Bioinformatics), (Ph.D-Biomedical Engineering).</p> <p>Director-Department of Physiotherapy I.T.S Paramedical College, Muradnagar, Ghaziabad Residence: 114 D, Gulmohar Greens, Mohan Nagar, Ghaziabad UP Email: csram@its.edu.in Mobile: 8447753528, 9811297680</p>	Physiotherapy-Clinician
9	<p>Dr. F. K. Pandey, M.Sc (Botany), PhD (Life Science), UGC-NET, Principal -Department of Biotechnology, I.T.S Paramedical College, Muradnagar, Ghaziabad, UP – 201206 Residence: 5/363, Chiranjeev Vihar, Ghaziabad UP 201206 Email: principal, biotech@its.edu.in Mobile: 8447753529, 9899939696</p>	Biotechnologist
10	<p>Dr. Rishi Rath, MD (Pharmacology), Professor - Department of Pharmacology, I.T.S - CDSR, Muradnagar, Ghaziabad UP – 201206 Residence: Shalimar Garden, Sahibabad, Ghaziabad Email: geetarishi2002@yahoo.com Mobile: 7838291785</p>	Pharmacologist
11	<p>Dr. Anil Chandra B.Sc. B.D.S, M.D.S, FICD, FPFA (USA) Vice-Principal, Professor & Head (Orthodontics) I.T.S Cental College, Greater Noida Residence: J 5/61, Second Floor, Rejouri Garden, New Delhi Email: vprin.dtl.gn@its.edu.in Moblie: 9811058872</p>	Clinician
12	<p>Dr. A. C Verma, Ex- Clinical Psychlogist Dept. of Physical Medicine & Rehabilitation, Safdarjung Hospital, New Delhi Residence: 701, Ahlcon App, Sec-3, Vaishali, Ghaziabad Email: acverma4@gmail.com Mobile: 9811390347</p>	Social Scientist
13	<p>Dr. Dinesh Samujh, BPT, MPT, LLB, LLM, Medico-legal consultant HOD, Physiotherapy, Metro Group of Hospitals, Member -Ethics Review Board, Metro Group of Hospitals, Noida Residence: D-57, Govindpuram, Hapur Road, Ghaziabad Email: drsamujh@gmail.com</p>	Legal Expert
14	<p>Mr. Jaipal Singh Residence: C-78, West Jyoti Naar Shahdara, Delhi – 110094 Moblie: 8447744034</p>	Layperson

15	Dr. Vinod Sachdev, B.D.S, M.D.S Director - PG Studies, I.T.S - CDSR, Muradnagar, Ghaziabad Residence: Staff Quarters, I.T.S Dental College Email: vinodsachdev@its.edu.in Mobile: 9582374054	Member Secretary
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The meeting of the Institutional Ethics Committee is held every academic year where all the research protocols recommended by the Research Committee are scrutinized for ethical issues. A consolidated report is made in the form of minutes of meeting and a list of approved projects is fabricated. A letter of approval is subsequently issued to the successful candidates.

3.1.3 What is the policy of the university to promote research in its affiliated / constituent colleges?

The Institute is affiliated to the Chaudhary Charan Singh University, Meerut. The policy for research is defined by the institute and seldom by the University. The DCI guidelines are followed for dissertation submission, wherein each postgraduate student is required to submit the protocol within first six months of the course after getting approval from the Institutional Research Committee. The final dissertation is to be submitted six months before the final University Examinations for respective MDS specialty.

Similarly, additional research protocols in the form of short studies are also approved by the Research and Ethics Committee for both In vivo and In vitro studies. Research facilities have been provided within the institute to encourage and promote a positive attitude towards research amongst postgraduate and undergraduate students.

3.1.4 What are the proactive mechanisms adopted by the institution to facilitate the smooth implementation of research schemes/projects?

a. Externally funded projects (both government and private agencies):

Advancing funds for sanctioned projects

Providing seed money.

Simplification of procedures related to sanctions / purchases to be made by the investigators.

Autonomy to the principal investigator/coordinator for utilizing overhead charges.

Timely release of grants.

Timely auditing.

Submission of utilization certificate to the funding authorities.

Writing proposals for funding.

Any training given for writing proposals.

The institute does not encourage funding from private agencies so that there is no 'conflict of interest' associated with research. However, the college supports funding by the government agencies like the ICMR. The institute is recognized by the Scientific and Industrial Research Organization (SIRO) till 31-03-2018. This is a prerequisite for applying to ICMR funding of projects. The proposals for funding are written under the guidance of the head of the department followed by approval of the research committee.

The ICMR has granted fellowships and thesis grants to many projects of our institute. The funds are transferred to the college account by the respective agency. The primary researcher applies for the release of grants to the institute. After sanctioning of the grant by the Director of the institute, the funds are released in a phased manner to the researcher.

The principal researcher is given full autonomy and coordinates with other researchers in utilizing the funds. Before the release of next installment, utilization of previous installment is audited. Till date, all the funds have been timely allocated. At the completion of the research project, the principal researcher submits a consolidated report which is then forwarded to the funding authorities.

Following is the list of projects approved by the ICMR:

S. No.	Topic	Name of candidate	Speciality	Grant (Rs.)
1.	Comparative analysis of shear bond strength between commercially available zirconia copings and veneering material as influenced by steam and thermal treatment (Artificial ageing) – An in vitro study	Dr. Manoti Sehgal	Prosthodontics	Only sanction obtained. No Grant taken
2.	Evaluation of Phase Transformation and Flexural Strength As Influenced by Sintering Cycles and Artificial Ageing in Zirconia (Y-Tzp) - An In Vitro Study	Dr. Aarti Kochhar	Prosthodontics	28,000/- PM
3.	Comparative Evaluation of Crestal Bone Levels As Influenced by Equicrestal And Supracrestal Placement of Back-Bevelled, Threaded Collar, Endosseous Implants Following Early Loading Protocol - An In Vivo Study	Dr. Apoorva Sahajwani	Prosthodontics	Only sanction obtained. No Grant taken
4.	A Comparative Evaluation of Accuracy between Implant Positions and	Dr. Avni Sharma	Prosthodontics	10,000/- PM

	Angulation using Vision Measuring Machine - An In Vitro Study			
5.	Expression profile of retinoblastoma gene and HPV status in oral potentially malignant disorders and oral squamous cell carcinoma	Dr. Flora Verma	Oral Pathology	Rs. 25000 consolidated
6.	Comparative evaluation between synthetic and natural MMP silencer on long term bond strength	Dr. Megha Nagpal	Conservative Dentistry and Endodontics	Applied for ICMR grant

Institution sponsored projects:

The institute sponsors projects approved by the Institutional Research committee and offers grants to the selected research projects. To further encourage research amongst students, Young researcher Award has been initiated wherein the selected projects are given grants for innovation. A list of students who have received this award is given in Criterion 3.1.10

Following is the list of researches who have received grant from the institute:

S. No.	Topic	Name of candidate	Speciality	Grant (Rs.)
1.	Correlative study of HIF- α and mTOR in various histopathological grades of Oral squamous cell carcinoma	Dr. Sonal Katyal	Oral Pathology	Rs. 25,000/-
2.	Association of amelogenin with high caries experience in Indian children	Dr. Rooposhi Saha	Pedodontics	Rs. 25,000/-

Proportion of funds dedicated for research in the annual budget.

There is no shortage of funds for research purposes as of now. The yearly allocation of funds for research work is specifically allotted in the annual budget earmarked for various projects. The details are available on site.

Availability of funding for research /training/resources.

Sufficient funds are provided by the institute for:

- Sponsoring research.
- Buying equipments for the Center for Advanced Research.
- Conducting continuing education programs and conferences.
- Reimbursing expenses incurred for attending conferences by the faculty.

Availability of access to online data bases.

The institute library has bought the subscription of EBSCO- an online search engine for accessing full text articles of various dental journals of repute.

3.1.5 How is multidisciplinary / interdisciplinary / transdisciplinary research promoted within the institution?**Between/among different departments:**

The institute promotes collaboration amongst different departments for conducting research. The following list itself elicits the amount of work being done by various departments in coordination with each other:

S. No.	Topic	Name of Researcher	Primary Department	Collaborated Deptt.
1.	Comparative study of biodegradation of Nickel and Chromium from Space Maintainers: an Invitro study.	Dr. Ashish Anand	Dr. Arun Sharma (Department of Pedodontics)	Dr. Piush Kumar (Department of Orthodontics)
2.	Comparative evaluation of leptin level in gingival crevicular fluid during canine retraction using NiTi coil springs and elastomeric chain	Dr. Sanjit Kar	Dr. Divya shetty (Department of Orthodontics)	Dr. Ajit Rathore (Department of Oral pathology)
3.	A Comparison of the Accuracy of 0.022 Slots at Face, Base and Mesial and Distal Surface of Brackets marketed by Different Manufacturers.	Dr. Karan Tangri	Dr. Piush Kumar (Department of Orthodontics)	Dr. Kiran Kumar (Department of Oral Pathology)
4.	Accuracy and reliability of tooth length measurements on conventional and CBCT images– an in-vitro comparative study.	Dr. Kr. Adarsh	Dr. Payal Sharma (Department of Orthodontics)	Dr. B M Mody (Department of Oral Medicine)
5.	Comparative evaluation of the effect of ozonated water and chlorhexidine on gingival inflammation in orthodontic patients.	Dr. Ankit	Dr. Shalaj Bhatnagar (Department of Orthodontics)	Dr. Rahul Chopra (Department of Periodontics)
6.	Evaluation of bacterial adhesion on conventional and esthetic Nickel-titanium wires after clinical usage	Dr. Apoorva Bajaj	Dr. Divya Shetty (Department of Orthodontics)	Dr. Swati Gupta (Department of Dental Research)

7.	Assessment of palatal rugae pattern and their reproducibility for application in forensic analysis	Dr. Anshi Jain	Dr. Shetty Divya (Department of Orthodontics)	Dr Devi Charan. Shetty (Department of Oral Pathology)
8.	Use of 3D printing based on CBCT volumetric data in implant Planning and surgical stent preparation	Dr. Yogesh Bhardwaj	Dr. Upasana Sethi (Oral Medicine)	Dr. Sanjeev Kumar (Oral Surgery)
9.	Comparison of modified lipswitch technique with clark's technique using collagen membrane in mandibular anterior region	Dr. Aanchal Aggarwal	Dr. Harsh Jain (Oral Surgery)	Dr. Manoj Kumar (Prosthodontics)
10.	Biomechanical and clinical comparative study using 3D trapezoidal plate delta plate and miniplate in subcondylar fracture	Dr. Jyotish Saikia	Dr. Harsh Jain (Oral Surgery)	Dr. Swati Gupta (Department of Dental Research)
11.	Hybrid Implant	Dr. Lily Rajput	Dr. Pankaj Kuckreja (Oral Surgery)	Dr. Praful Mehra (Prosthodontics)
12.	Basal Implant	Dr. Mohit Mangla	Dr. Sukumar Singh (Oral Surgery)	Dr. S.K. Agarwal (Prosthodontics)
13.	Effect of lycopene on oral micronucleated cell frequency in oral submucous fibrosis: A Randomized placebo controlled trial	Dr. Madhu	Dr. Suma GN (Department of Oral Medicine and Radiology)	Dr. Raghu Dhanapal, Dr. Saurabh Juneja (Department of Oral Pathology)
14.	An in vitro study to evaluate & compare vertical marginal fit of metal coping fabricated from free hand wax patterns & milled wax patterns using conventional casting technique with CAD milled copings	Dr. Rashi Bhasin	Dr. Mahesh Suganna, Dr. Manoj Kumar (Department of Prosthodontics)	Dr. Saurabh Juneja (Department of Oral Pathology)
15.	Comparative evaluation of marginal fit of zirconia substructure as influenced by varying span length & abutment: An in vitro study.	Dr Divya Ratan Dahiya	Dr. Abhishek Nagpal, Dr. Manoj Kumar (Department of Prosthodontics)	Dr. Saurabh Juneja (Department of Oral Pathology)

16.	Comparative evaluation of zirconia core & veneering ceramic bond strength as influenced by varying finish	Dr. Shaily	Dr. Sharad Gupta, Dr. Praful Mehra (Department of Prosthodontics)	Dr. Saurabh Juneja (Department of Oral Pathology)
17.	Histomorphometric analysis of vascularity in conventional and LASER assisted removal of gingival tissue in periodontal surgery using special stains.	Dr. Mehak Gera	Dr. Vidya Dodwad (Department of Periodontics)	Dr. Ajit Singh Rathore, Dr. Saurabh Juneja (Department of Oral Pathology)
18.	To compare clinical characteristics of new & recycled metal brackets manufactured by sintering & metal moulding technique	Dr. Rabinder	Dr. Piush Kumar, Dr. Shalaj (Department of Orthodontics)	Dr. Anshi Jain, Dr. Saurabh Juneja (Department of Oral Pathology)
19.	In vitro evaluation of decalafication around bonded metal brackets and remineralization potential of various remineralizing agents	Dr. Prashant	Dr. Rakesh, Dr. Piush Kumar (Department of Orthodontics)	Dr. Saurabh Juneja (Department of Oral Pathology)
20.	A comparative evaluation of the accuracy of the vertical marginal fit of CAD / CAM milled zirconia framework fabricated by direct digital impression technique and conventional elastomeric impression technique using stereomicroscope- An in vitro study	Dr. Arti Kumari	Dr. Devendra Chopra, Dr. Abhishek Nagpal (Department of Prosthodontics)	Dr. Saurabh Juneja (Department of Oral Pathology)
21.	To compare the efficacy of early artificial dental caries by densitometric histogram evaluation compared with digital radiograph, conventional radiograph and direct visual examination- An in vitro study	Dr. Kritika Saxena	Dr. Bharat Mody, Dr. Bhuvana Vijay (Department of Oral Medicine and Radiology)	Dr. Ajit Singh Rathore, Dr. Saurabh Juneja (Department of Oral Pathology)
22.	Clinical trial of curcuminoids- chemopreventive agent in patients of oral leukoplakia and its effect on the frequency of micronucleated cells: A research control led trial	Dr. Priyanka Katyal	Dr. Manisha Lakhanpal Dr. Manu Dhillon (Department of Oral Medicine and Radiology)	Dr. Priyanka Rastogi (Department of Oral Pathology)

23.	To compare the shaping ability of rotary systems of varying metallurgy in curved canals and its analysis using cone beam computed tomography – an in vitro study	Dr. Shreya Bansal	Dr. Sonali Taneja (Department of Conservative Dentistry and Endodontics)	Department of Oral Medicine, Diagnosis and Radiology
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Collaboration with national/international institutes / industries.

S. No.	Topic	Name of Researcher	Primary Department	Collaborated Institute
1.	Evaluation of anti-microbial property of a modified acrylic resin containing cetylpyridinium chloride.	Dr. Tanvi Verma	Department of Orthodontics	Karti Tyagi (Research Consultant, ICMR)
2	Effect of final irrigant on depth of tubular penetration of resin based root canal sealers and bioceramic sealer : A confocal laser scanning microscopic study	Dr. Shruuti Singh	Department of Conservative Dentistry and Endodontics	Dr. Harvansh Judge Dental College Department of Conservative Dentistry and Endodontics (Punjab University, Chandigarh)
3	Effect of ferrule height, configuration, and post and core approaches on stress distribution and fracture resistance of endodontically treated teeth with flared root canal- Three dimensional finite element analysis	Dr. Nitin Gupta	Department of Conservative Dentistry and Endodontics	Dr. D.S Nagesh Department of Mechanical Engineering, Delhi Technological University, Delhi
4	To evaluate the effect of natural vs synthetic MMP silencers in preservation of dentin collagen and long term bond strength of total etch adhesive – an in vitro study	Dr. Megha Nagpal	Department of Conservative Dentistry and Endodontics	Prof. T.P Singh Department of Biotechnology AIIMS, Delhi
5	Comparative evaluation of apical extrusion of Enterococcus faecalis after instrumentation with hand and three different Ni-Ti rotary instruments - An in vitro study.	Dr Devika Duggal	Department of Conservative Dentistry and Endodontics	Dr. R. K Mahajan MD Microbiology PGIMER & RMCH, New Delhi

6	Effects of Air Abrasion and Acid Etching on the Microrleakage of Preventive Class I Resin Restorations- An in vitro study	Dr. Deepti Goel	Department of Pedodontics	Lt. Col. Sonali Sharma (Army Dental Centre, Research and Referral Hospital, Delhi)
7	Comparative evaluation of efficacy of new toothpaste containing 8% arginine, calcium carbonate and 950 ppm fluoride against a toothpaste containing 5% potassium nitrate in reducing dentin hypersensitivity over a period of 12 weeks. Aclinical and SEM study	Dr. Garima Dhariwal	Department of Periodontics	Jawaharlal Nehru University
8	A comparative evaluation of efficacy of diode LASER following scaling and root planing and scaling and root planing alone- A multiplex PCR study: A clinico-microbiological study	Dr. Mehek Gera	Department of Periodontics	Maratha Mandal Dental College, Belgaum
9	The inter-relationship between rheumatoid arthritis and periodontal disease- a clinic microbiological study	Dr. Vasudha Bhasin	Department of Periodontics	Indian Spinal Injuries Centre, Vasant Kunj
10	Comparison of effectiveness of rotary carbide bur and conventional Gracey's curette on periodontally involved root surface using scanning electron microscope and profilometer: An in-vitro study	Dr. Aakriti Mahajan	Department of Periodontics	Department of Central Instrument Laboratory, Punjab University, Chandigarh.
11.	Influence of different internal geometric configurations and cusp inclination as effecting the stress distribution around implant –abutment connection : a three-dimensional finite elemengt analysis	Dr. Ruby Kumari	Department of Prosthodontics	IIT DELHI

12	A finite element study to evaluate stress distribution as influenced by Equicrestal and supracrestal placement of back –beveled , threaded collar , endosseous implant following early loading protocol – An In Vivo study	Dr. Ashish Gambhir	Department of Prosthodontics	IIT DELHI
13	A comparative evaluation of zirconia core and veneering ceramic bond strength as influenced by varying finish line configuration using universal testing machine and scanning electron microscope –An In Vitro Study	Dr. Shaily Tyagi	Department of Prosthodontics	IIT DELHI
14	A comparative evaluation of artificial ageing on shear bond strength of different zirconia intra oral repair system : An In Vitro Study	Dr. Himani Jain	Department of Prosthodontics	IIT DELHI
15	A comparatively evaluation the accuracy of vertical fit of implant superstructures using castable abutment : SEM Study	Dr. Kajal Yadav	Department of Prosthodontics	IIT DELHI
16	Morphometric and Densitometric analysis of mandibular bone using panoramic indices and serum markers in edentulous patients .	Dr. Bhawna Chopra	Department of Prosthodontics	AIIMS
17	Evaluation of fracture resistance of three different prefabricated posts in endodontically treated teeth – An In Vitro Study	Dr. Richa Sahu	Department of Prosthodontics	ITS Engineering College, Greater Noida

3.1.6 Give details of workshops/ training programs/ sensitization programs conducted by the institution to promote a research culture in the institution.

S. No.	Date	Topic	Speakers
1.	15-17 th April 2016	Teacher's training workshop	Dr. D. K. Srinivas Dr. K. Pushpanjali
2.	19 th -20 th May 2016	Orthognathic Surgery Planning course	Dr. Satyajit Dandagi, Dr. Vivek Reddy
3.	7 th – 9 th March, 2016 (module 1) 11 th to 13 th April, 2016 (module 2) 2 nd to 4 th May, 2016 (module 3)	Comprehensive Implantology Course in collaboration with Bioner Implants, Spain in association with University of Murcia, Spain	Dr. Praful Mehra Dr. Abhishek Nagpal Col(Dr) S K Agarwal Dr. Gaurav Issar
4.	22 nd January 2016	Hands on course on clinical photography	Dr. Akhtar Husein
5.	19 th November, 2015	Workshop on —Demystifying Clinical Research In Dentistry in 28 th ISDR Conference at ITS Dental College, Murad Nagar	Dr. MS Muthu
6.	19 th November, 2015	Workshop on —Soft tissue LASER in Pediatric Dentistry in 28 th ISDR Conference at ITS Dental College, Murad Nagar	Dr. Vijay Mathur Dr. Jatinder Dr. Ajay Logani
7.	19 th November, 2015	Workshop on —Nitrous oxide inhalation sedation in 28 th ISDR Conference at ITS Dental College, Murad Nagar	Dr. Srinivasan Namineni
8.	20 th December 2014	Current trends in Education and IQA	Dr. Nalin Mehta Dr. B. V. Adkoli
9.	1 st September 2014	Workshop On Bioethics In Clinical Research	Dr. Prem Chopra
10.	27 th August, 2014	Awareness Programme On Cervical & Breast Cancer Amongst I.T.S Dental College And Hospital Employees	Dr. Savera Ahmed
11.	19 th August, 2014	Current Opinion In The Management Of Biofilms And Periodontal Diseases	Dr. Shubhra
12.	8 th May, 2014	Workshop on —PCR and its application in International Conference of Dental Specialities at ITS Dental College, Murad Nagar	Dr. Showket Hussain
13.	24 th September 2013	CDE titled —Biomechanics Simplified	Dr. Jayesh S Rahalkar and Dr. Chetan V Jayade
14.	14 th June 2013	Research Methodology in Dental Materials	Dr. K.Ramkumar Dr. G. Gomathi

15.	6 th September, 2012	Workshop on —Molecular techniques in Forensic odontology Xth National Conference of Forensic Odontology at ITS Dental College, Murad Nagar	Dr. DC Shetty, Dr. Ajit Singh Rathore, Dr. Kiran Kumar, Dr. Raghu Dhanapal
16.	5 th September 2013	Workshop on —Immuno-histochemistry technique and its applications in —XIth National OOO Symposium, 2013 organised at I.T.S Dental college, Greater Noida, U.P., India	Dr. Ajit Singh Rathore, Dr. Kiran Kumar, Dr. Raghu Dhanapal, Dr. Saurabh Juneja

3.1.7 How does the institution facilitate researchers of eminence to visit the campus? What is the impact of such efforts on the research activities of the institution?

The institute regularly invites eminent national and international researchers to visit the campus and share their rich experience.

The Impact of such efforts has been on the consistent improvement in the quality of research work and publications being conducted in the institute which are being published in Pubmed indexed journals. It has proven to be a good exposure to faculty and students in the field of scientific writing and analysis of journal articles. Various students have been able to receive grants for their research work from scientific bodies such as ICMR. These efforts have also been beneficial to the patients forgetting the specialized dental treatment.

Following is the list of some of the eminent faculty who has visited the campus:

Date	Topic	Eminent Faculty
13 March 2013	Early orthodontic treatment modalities in children	Dr. Shams Moopen (Northampton)
14 March 2013	Current trends in Dental Caries in children	Dr. Ana Marcarenhas (Florida)
14 March 2013	Myofunctional appliances	Dr. Ashok Utreja (PGI, Chandigarh)
15 th June 2013	Guidelines on Scientific Writing	Dr. Shilpa Shetty
15 th June 2013	Concepts and Controversies in Implant Occlusion	Dr. Mahendranadh Reddy Dr. Chandreshekhar Anam
9 th May 2014	Temporomandibular Joint disorders	Dr. Carlos Rocha Gomes (Brazil) Dr. John Kim Neubert (Florida)
9 th May 2014	Genetics and molecular Biology of Oral Cancer and Precancer	Prof. Dr. Cheong Sok Ching (Malaysia)
9 th May 2014	Understanding Molar Incisor Hypomineralization	Dr. Robert P. Anthonappa

1 st September 2014	Workshop On Bioethics In Clinical Research	Dr. Prem Chopra (AIIMS)
19 th November, 2015	Workshop on —Nitrous oxide inhalation sedationl in 28 th ISDR Conference at ITS-CDSR, Murad Nagar	Dr. Srinivasan Namineni (Hyderabad)
19 th November, 2015	Workshop on —Demystifying Clinical Research In Dentistryl in 28 th ISDR Conference at ITS-CDSR, Murad Nagar	Dr. MS Muthu (Chennai)
20 th November 2015	Oral Care for older people	Dr. Walls Angus (Scotland)
21 st November 2015	Effective oral rehabilitation for elderly	Dr. Richard Lessungbok (S. Korea)
22 nd November 2015	Smoking, a major risk in Periodontics and Implant Failure	Dr. Crawford Bain (UAE)
15-17 th April 2016	Teacher's training workshop	Dr. D. K. Srinivas (Rajiv Gandhi University, Bangalore)

3.1.8 What percentage of the total budget is earmarked for research? Give details of heads of expenditure, financial allocation and actual utilization.

There is no shortage of funds for research purposes as of now. The yearly allocation of funds for research work is specifically allotted in the annual budget earmarked for various projects. The details are available on site.

3.1.9 In its budget, do the university earmark funds for promoting research in its affiliated colleges? If yes, provide details.

No

3.1.10 Does the institution encourage research by awarding Postdoctoral Fellowships/Research Associateships? If yes, provide details like number of students registered, funding by the institution and other sources.

Young researcher award: A novel initiative taken by the institute, is a Dental Innovative Award to encourage students with ground breaking innovation ideas in the field of dentistry. Five students (both undergraduate and postgraduate) were selected for this award last year after scrutinizing their abstracts and project proposal by eminent faculty.

Dr. Siddharth Tevatia
 Dr. Atif Wsaim
 Dr. Noopur Gupta
 Agrim Dadoo
 Parth Deoli

Funds are being sanctioned in a phased manner as per the progress of the project.

Benefits: These dental innovative ideas can be converted into marketable products and can transform them into definitive research equations.

3.1.11 What percentage of faculty have utilized facilities like sabbatical leave for pursuit of higher research in premier institutions within the country and abroad? How does the institution monitor the output of these scholars?

The college has an annual system of leaves for research study and career enhancement. The faculty is encouraged to further its knowledge and clinical skills by visiting other institutes in India and abroad.

Course in soft tissue LASER

Faculty from Department of Periodontics and Pedodontics, have been granted leave to complete all the modules of an advanced course in oral LASER applications conducted in Vienna.

Impact: The institute is planning to start an advanced center in LASER assisted dental treatments which will be utilized by all the departments for their respective procedures and research work.

Nitrous Oxide Sedation Course:

Faculty from Department of Pedodontics have been sanctioned leaves to take up training courses in Nitrous oxide sedation at Gurgaon and Hyderabad.

Impact: The institute is planning to set up a Conscious Sedation Clinic for the management of pediatric patients and apprehensive adult patients. It will also open a new avenue in the field of research.

3.1.12 Provide details of national and international conferences organized by the institution highlighting the names of eminent scientists/scholars who participated in these events.

Date	Conferences	Eminent Scientists/Scholars
13-16 March 2013	10 th National PG Convention Indian Society of Pedodontics and Preventive Dentistry	Dr. Shams Moopen (Northampton) Dr. Ana Marcarenhas (Florida) Dr. Ashok Utreja (PGI, Chandigarh)

14-16 th June 2013	15 th National PG Convention Indian Prosthodontic Society	Dr. Sanjay Kalra Dr. Shilpa Shetty Dr. Mahendranadh Reddy Dr. Chandreshekhar Anam
23-24 th November 2013	Indian Dental Student Conference	
9-10 th May 2014	International conference of Dental Specialities	Dr. Carlos Rocha Gomes (Brazil) Prof. Dr. Cheong Sok Ching (Malaysia) Dr. Jorge Gonzalez (USA) Dr. John Kim Neubert (Florida)
4-6 th June 2015	16 th National PG Convention Indian Academy of Conservative Dentistry and Endodontics	Dr. Chi Koy Wang Dr. Unnikrishnan Dr. Noushad Rahim
20 th -22 nd November 2015	28 th National Conference of Indian Society for Dental Research	Dr. Marc Heft (USA) Dr. Walls Angus (Scotland) Dr. Richard Lessungbok (S. Korea) Dr. Crawford Bain (UAE)
15-16 th March 2016	Indian Dental Student Conference	Dr. Virinder Goyal Dr. Sumit Malhotra Dr. Puneet Ahuja Dr. Kumar Rajan

3.1.13 Mention the initiatives of the institution to facilitate a research culture in the below mentioned areas:

Training in research methodology, research ethics and biostatistics.

All postgraduate students undergo a course in biostatistics at the beginning of their academic program and have to clear the biostatistics exams before submitting their dissertation protocol.

In addition Faculty from Department of Pedodontics and Oral Pathology have been trained in Research Paper writing and Biostatistics workshop by The ICMR.

In addition, various workshops in bioethics and research methodology are regularly conducted in the institute as follows:

1 st September 2014	Workshop On Bioethics In Clinical Research	Dr. Prem Chopra (AIIMS)
19 th November, 2015	Workshop on Demystifying Clinical Research In Dentistry	Dr. MS Muthu (Chennai)
14 th June 2013	Research Methodology in Dental Materials	Dr. K.Ramkumar Dr. G. Gomathi
15 th June 2013	Guidelines on Scientific Writing	Dr. Shilpa Shetty

Development of scientific temperament.

Constant encouragement and guidance is provided to all the students including the undergraduate students to conduct studies and present scientific papers in various conferences of national and international level. The institute conducts monthly Clinico-pathological conferences at all levels, i.e., undergraduate, postgraduate and faculty, where research activities from various departments are presented and discussed.

Presence of Medical / Bio Ethics Committee.

Yes, the institute has a dedicated Bio-ethics committee for approving the ethical concerns of various research projects. The details have been given in Criterion 3.1.2

Research linkages with other institutions, universities and centers of excellence. (national and international).

As discussed in Criterion 3.1.5, many research projects have been conducted in collaboration with various institutes of repute, e.g., ICMR, AIIMS, Delhi Technology University, IIT, Punjab University Chandigarh.

A faculty and student exchange program with The TUFTS University has been started to encourage collaboration of research work.

Research programs in Basic Sciences, Clinical, Operational Research, Epidemiology, Health Economics, etc.

A number of research projects are being conducted in relation to basic sciences departments like anatomy, pharmacy and microbiology. They are:

1.	Evaluation of antimicrobial efficacy of root canal sealers against endodontic pathogens - An in vitro study	Dr. Priya Saini	Dr. Mohit Kumar (Department of Conservative Dentistry and Endodontics)	Dr. Vandana Srivastava (Department of Microbiology)
2.	Apical extrusion of Enterococcus faecalis using three different rotary instrumentation techniques: An in vitro study. Indian J Dent Res 2015;26:67-71.	Dr. Chetna Dudeja	Dr. Sonali Taneja Department of (Conservative Dentistry and Endodontics)	Dr. Madhumita Barau (Department of Microbiology)

3.	Assessment of dental caries risk profile among 12 yrs old school children of Muradnagar by Cariogram	Disha Latiyan	Dr. Ipseeta Menon (Community Dentistry)	Dr. Vandana Srivastava (Department of Microbiology)
4.	Comparative evaluation of 0.2% chlorhexidine mouthwash, xylitol chewing gum and combination of 0.2 % chlorhexidine mouthwash and xylitol chewing gum on salivary streptococcus mutans and biofilm levels	Dr. Meena Syed	Dr. Vinod Sachdev Dr. Radhika Chopra (Department of Pedodontics)	Dr. Vandana Srivastava (Department of Microbiology)
5.	To evaluate and compare the effect of different beverages on surface hardness of different restorative materials	Dr. Hanish	Dr. Pragya Kumar (Department of Conservative Dentistry and Endodontics)	Dr. Rishirath (Department of Pharmacology)
6.	Evaluation of Facial Nerve distance from tragus – Cadaveric studys	Dr. Itrat Hussain /Dr. Shivam	Dr. Sanjeev Kumar (Oral Surgery)	Dr. Vishal Modgil (Anatomy)

Promotional avenues for multi-disciplinary, inter-disciplinary research.

The institute provides a conducive environment to encourage and support multidisciplinary research projects amongst various departments within the institute as well as with other institutes in India. The list of such collaborated researches done in the institute has been provided in criterion 3.1.5.

Promotional avenues for translational research.

Various innovations are being done under the banner of Young Researcher award which have future implications of being converted into marketable products. One of the products is Toothbrush dispensing machine, which has already been sent for patent registration.

Instilling a culture of research among undergraduate students.

The undergraduate students are encouraged to do research with the help of faculty and present their research in the form of paper, poster or table clinic at various national conferences
Parth Deoli from BDS third year is in the process of developing a new type of lab micromotor which will be sound proof and will also collect all the acrylic dust thus reducing inhalational disorders caused due to acrylic. The project is being guided by faculty from Department of Orthodontics.

S. No	Topic	Name & year of student	Year	Faculty	Presented in conference
1.	Fixation of 3 different techniques in fracture fixation of mandible- an invitro biomechanical study	Radhika Lamba	2015	Dr. Pankaj Kukreja	
2.	Awareness of consumer protection act and medical negligence amongst dental health professionals	Shakiba Jameel	2015	Dr. Pankaj Kukreja	
3.	Comparison of Alveology and ZOE in the treatment of dry socket	Richa Dua	2015	Dr. Rakshak Anand	
4.	Assessment of Micronuclei in Oral cytosmears as biomarker for petroleum vapour induced carcinogenic effect in buccal mucosa of Petrol pump station attendants	Pulkit Gupta, Aamna Khan BDS III Year	2016	Dr. Saurabh Juneja, Dr. Devi charan Shetty	Yes. Indian Students Dental Conference, 15th-16th March 2016 organised by IDA North Zone held I.T.S-CDSR, Muradnagar, Ghaziabad
5.	Awareness Towards Dental Trauma Prevention and Management among Sports Instructors of various Academies in Delhi	Geetika Gupta BDS IV year	2014	Dr. Radhika Chopra	FDI conference held at Greater NOIDA on 8-10 th September 2014.
6.	Awareness Among Parents Regarding Effects of Sweeten Beverages on Child Dental Health	Heena Bansal	2014	Dr. Radhika Chopra	FDI conference held at Greater NOIDA on 8-10 th September 2014.
7.	Haptics in Dental Simulation (Poster)	Punya Taneja (Batch-2015-19)	15 th -16 th March 2016	Dr. Sonali Taneja	Indian Dental student conference I.T.S-CDSR, Muradnagar.
8.	The Essence of Phytomedicines in Endodontics (Poster)	Shubham Shukla (Batch 2010-14)	9 th -10 th May, 2014	Dr. Mohit Kumar	International Conference of Dental specialities held at I.T.S-CDSR, Muradnagar.

9.	Ultrasonics in Endodontics (Paper)	Rachel Lal (Batch 2010-14)	20 th - 22 nd Nov, 2015	Dr. Mohit Kumar	28 th ISDR Conference I.T.S-CDSR, Muradnagar.
10.	Platelet Concentrates : PRF and PRP (Paper)	Geetika Gupta (Batch 2010-14)	20 th - 22 nd Nov, 2015	Dr. Mohit Kumar	28 th ISDR Conference I.T.S-CDSR, Muradnagar
11.	Regenerative Endodontics (Paper)	Rachel Lal (Batch 2010-14)	15 th - 16 th March 2016	Dr. Mohit Kumar	Indian Dental student conference I.T.S-CDSR, Muradnagar, Ghaziabad
12.	Tooth Avulsion (Poster)	Ranu Rai (Batch 2011-15)	15 th - 16 th March 2016	Dr. Mohit Kumar	Indian Dental student conference I.T.S-CDSR, Muradnagar, Ghaziabad
13.	Role of Green In Endodontics (Poster)	Radhika Lamba/Sidra Ashraf/Rida Sadaqat (Batch 2010-14)	9 th - 10 th May, 2014	Dr. Manju Kumari	International Conference of Dental Specialities held at I.T.S-CDSR, Muradnagar, Ghaziabad.
14.	Effects Of Habits On Oral Health – Forsee The Unseen (Poster)	Radhika, Drishti (Batch-2015-19)	15 th - 16 th March 2016	Dr. Manju Kumari	Indian Dental student conference I.T.S-CDSR, Muradnagar, Ghaziabad
15.	Regenerative Endodontics (Poster)	Sumit, Marina, Stuti (Batch-2014-18)	20 th - 22 nd Nov, 2015	Dr. Pragya Kumar	28 th ISDR Conference I.T.S-CDSR, Muradnagar, Ghaziabad
16.	Ultrasonics in Endodontics (Poster)	Rahul Tiwari (Batch 2011-15)	20 th - 22 nd Nov, 2015	Dr. Nivedita Gulati	28 th ISDR Conference I.T.S-CDSR, Muradnagar, Ghaziabad
17.	Flash A Million \$ Smile – Tooth Jewellery (Poster)	Divyadeep/ Meera Nair (Batch 2011-15)	20 th - 22 nd Nov, 2015	Dr. Nivedita Gulati	28 th ISDR Conference I.T.S-CDSR, Muradnagar, Ghaziabad
18.	Minimal Intervention Dentistry	Diki (Batch 2012-16)	20 th - 22 nd Nov, 2015	Dr. Nivedita Gulati	28 th ISDR Conference I.T.S-CDSR, Muradnagar, Ghaziabad

Publication-based promotion/incentives.

Each faculty member in the institute has to fill the appraisal form for annual incentives showing major academic achievements, research projects and publications. The publications in the indexed and non-indexed journals during the year form an important criteria in deciding the promotion and incentives for the faculty.

Providing travel grant for attending national/international conference and workshops.

A travel grant of Rs. 25,000 for Professors; Rs. 15,000 for Readers and Associate Professors and Rs. 7,000 for Senior Lecturers; is provided for attending conferences and presenting scientific papers.

In addition, Dr. Vinod Sachdev (Director-PG studies) has recently been provided with a grant to attend the 13th International Conference and Exhibition on Dental Medicine "(Dental Medicine-2016) in Toronto (Canada), held on August 08th -10th, 2016.

The institute has also sponsored the visit of Dr. Devi Charan Shetty (Principal) to TUFTS University, Boston under the faculty exchange program from 18th to 29th July 2016.

3.1.14 Does the institution facilitate**R&D for capacity building and analytical skills in product development like diagnostic kits, biomedical products, etc. for the national / international market**

The institute has many sister concerns like ITS Engineering college, ITS institute of Biotechnology and ITS institute of Pharmacy along with its own Centre for Advanced Research, which helps in developing innovative products for dental practice.

Development of entrepreneur skills in health care

A leadership program had been organized by the institute on 20-01-16. Mr. Rajneesh Singh, from the company, Simply HR, Noida was the resource person. The participants had an engaging interaction with Mr. Rajneesh through group activities and discussion. The focus was to sensitize and inspire the faculty members on the salient qualities of a leader and to highlight that Leaders are not —born but can in fact be —made.

Taking leadership role for stem cell research, organ transplantation and harvesting, Biotechnology, Medical Informatics, Genomics, Proteomics, Cellular and Molecular Biology, Nanoscience, etc.

Workshops on stem cells and molecular biology have been conducted to encourage research in these fields. Workshop on

—Molecular techniques in Forensic odontology^{ll} was conducted by Dr. Devi Charan Shetty and his team. Another workshop on ‘Genetics and molecular Biology of Oral Cancer and Precancer’ was conducted by Prof. Dr. Cheong Sok Ching.

3.1.15 Are students encouraged to conduct any experimental research in Yoga and / or Naturopathy?

Not applicable.

3.2 Resource Mobilization for Research

3.2.1 How many departments of the college have been recognized for their research activities by national/International agencies (ICMR, DST, DBT, WHO, UNESCO, AYUSH, CSIR, AICTE, etc) and what is the quantum of assistance received? Mention any two significant outcomes or breakthrough achieved by this recognition.

All the departments of our institute are recognized by the scientific bodies such as DSIR, DST and ICMR. Students from various departments of the institute have been awarded grants for their research project by ICMR. This recognition from these scientific bodies has been beneficial in improving the standards and quality of the research work being conducted in the institute and also helpful in scientific publications in indexed journals.

3.2.2 Provide the following details of ongoing research projects of faculty:

	Year-wise	No.	Name of the project	Funding agency	Total grant received
A. University awarded projects: Nil					
Minor projects					
Major projects					
B. Other agencies - National and International (specify): National					
Minor projects	2016	3	1. A Comparative Evaluation of Accuracy between Implant Positions and Angulation using Vision Measuring Machine - An In Vitro Study. 2. Expression profile of retinoblastoma gene and HPV status in oral potentially malignant disorders and oral squamous cell carcinoma.	ICMR ICMR ICMR	10,000/- PM Rs 25,000/- Consolidated

			3. Comparative Evaluation between synthetic and natural MMP silencer on long term bond strength.		Only sanction obtained. No Grant taken
Major projects	Nil				

3.2.3 Does the college have an Intellectual Property Rights (IPR) Cell?

The college as such does not have IPR but if any issue arises it is referred to institutional research cell.

3.2.4 Has the college taken any special efforts to encourage its faculty to file for patents? If so, how many have been registered and accepted?

The college has initiated efforts to encourage its faculty and students for filing of patents. One student is in the process of filling for patent. Till now there has been no registered or accepted patents.

3.2.5 Does the college have any projects sponsored by the industry/ corporate houses? If yes, give details such as the name of project, funding agency and grants received.

The Institution does not have any projects sponsored by the industry/ corporate houses.

3.2.6 List details of

**Research projects completed and grants received during last four years (funded by National/International agencies)
Inter-colleage collaborative projects and grants received
National Collaboration
International Collaboration**

There have been research projects which are funded by the national agencies. Following are some research projects which were sanctioned and approved by the ICMR.

S. No.	Topic	Name of Candidate	Speciality	Grant (Rs.)
1	Comparative analysis of shear bond strength between commercially available zirconia copings and veneering material as influenced by steam and thermal treatment (Artificial ageing) – An in vitro study	Dr. Manoti Sehgal	Prosthodontics	Only sanction obtained. No Grant taken

2	Evaluation of Phase Transformation and Flexural Strength As Influenced by Sintering Cycles and Artificial Ageing in Zirconia (Y-Tzp) - An In Vitro Study	Dr. Aarti Kochhar	Prosthodontics	28,000/- PM
3	Comparative Evaluation of Crestal Bone Levels As Influenced by Equicrestal And Supracrestal Placement of Back-Bevelled, Threaded Collar, Endosseous Implants Following Early Loading Protocol - An In Vivo Study	Dr. Apoorva Sahajwani	Prosthodontics	Only sanction obtained. No Grant taken
4	A Comparative Evaluation of Accuracy between Implant Positions and Angulation using Vision Measuring Machine - An In Vitro Study	Dr. Avni Sharma	Prosthodontics	10,000/- PM
5	Expression profile of retinoblastoma gene and HPV status in oral potentially malignant disorders and oral squamous cell carcinoma	Dr. Flora Verma	Oral Pathology	Rs 25,000/- Consolidated
6	Comparative Evaluation between synthetic and natural MMP silencer on long term bond strength.	Dr. Megha Nagpal	Conservative Dentistry and Endodontics	Only sanction obtained. No Grant taken
7	The Inter-Relationship between arthritis and periodontal disease- A clinic-microbiological study	Dr. Vasudha Bhasin	Periodontics	Applied for ICMR Grant

3.2.7 What are the financial provisions made in the college budget for supporting student's research projects?

The college has adequate budget for supporting the student's research work. Students have to make a financial proposal for their research work and once the proposal is scrutinized and approved by the institutional research and ethical committees, then it is referred to the management for final approval and allocation of the funds.

3.3 Research Facilities

3.3.1 What efforts have been made by the college to improve its infrastructure requirements to facilitate research? What strategies have been evolved to meet the needs of researchers in emerging disciplines?

The college has taken specific measures in terms of infrastructure and equipment to facilitate research work in the institution which includes:

- Establishment of Centre for Advanced Research.
- Establishment of Centre for Advanced Imaging (CBCT imaging).
- Establishment of Centre for Implantology.

Following equipment have been acquired for research purposes:

CENTRE FOR ADVANCED RESEARCH

Equipment	Purpose
Genomics Equipment	
PCR Thermocycler	Amplification of nucleic acid
Agarose Gel Electrophoresis Horizontal	To separate nucleic acid
Gel Documentation System	Visualization and taking photograph of gel
Trans-illuminator	Visualization of DNA
pH Meter	To check pH of buffer solutions
Weighing Balance	Weighing
Vortex	High speed mixing
Micro Centrifuge	Centrifugation
Pipettes	Pipetting of solution
Heating Mantle/Hot Plate	For melting of solutes in a solution
Deep Freezer	Long term storage
Fridge	Storage
Microbiology lab	
Anaerobic Incubator	Anaerobic culture
Anaerobic Jar	Anaerobic culture
BOD Incubator	Aerobic culture
Laminar Flow Hood Horizontal	To prevent contamination of the specimen
Colony Counter	Counting of colonies
pH Meter	To check pH of buffer solutions
Vortex	High speed mixing
Heating Mantle/Hot Plate	For melting of solutes in a solution
Oven	Dry sterilization
Autoclave	Sterilization
Weighing Balance	Weighing
Fridge	Storage
Deep Freezer	Long term storage
Pippetes	Pippeting of solution
ELISA studies	
ELISA Reader	To take the optical density of the sample
ELISA Washer	Washing of 96-well plate
pH Meter	To check pH of buffer solutions
Fridge	Storage
Deep Freezer	Long term storage

Pipettes	Pipetting of solution
Protein based studies	
Vertical Gel Electrophoresis Machine	Protein separation depending upon molecular weight
pH Meter	To check pH of buffer solutions
Weighing Balance	Weighing
Fridge	Storage
Deep Freezer	Long term storage
Centrifuge	Centrifugation for separation of cell etc
Pipettes	Pipetting of solution
Metal And Metallurgical Studies	
Universal Testing Machine	To test the tensile, elongation, compression, flexural strength,
Spectrophotometer Reflectance	To measure translucency, and shade change of the solid material
Vickers Micro Hardness Machine	Hardness of material
Roughness Tester	To test the roughness of material
Bite Force Tester	To test the bite force applied by patient

Some equipment used for the research purpose are also placed in Department of Oral pathology

Department of Oral Pathology	
Water bath (SW 22, JULABO GmbH)	Temperature maintenance
Microwave Oven (E-Z antigen retrieval system, Biogenex)	Antigen retrieval in immune-histochemistry
Light Microscope (Olympus CX21)- 20 UNITS	

CENTRE FOR ADVANCED IMAGING (CBCT IMAGING)

Equipment	Purpose
CBCT Imaging	
NEWTOM GIANO-CBCT Unit (manufactured by CEFLA SC-CEFLA Dental group, Italy).	To acquire the three dimensional image of the Oro-facial region.
Software used: NNT (New Net Technologies Ltd, Naples, FL).	To process and analyse the image obtained by CBCT machine

CENTRE FOR ORAL IMPLANTOLOGY

Special Equipment	No.
20:1 Reduction handpiece NSK	01
NSK PhysiodispenserFiberoptic	01
NSK Physiodispenser	01
20:1 Reduction handpiece NSK	01
Surgical Implant Kit – Nobel Biocare	01

Surgical Implant Kit - Hi Tech	01
Surgical Implant Kit – Endopore	01
Surgical Implant Kit – Bioner	02
Surgical Implant Kit – Adin	04
ATR Physiodispenser with handpiece	01
Pentamix 2 – Automated impression system	01
RVG – Sopix 2 – Satellac	01
X Mind – Satellac X Ray	01
Direct Sinus lift instruments – Hu Freidy	01 set
Oxygen cylinder	02
Bone graft dispensing gun (Novabone)	1 gun

Strategies:

MDS Dissertations from each department are designed, keeping in view the current research trends and future prospects.

The constituent departments in collaboration with each other conduct multiple short studies.

Funding of up to 1 lac rupees and scholarship programs for young researchers- Best Young Dental Researcher Award, have been initiated.

3.3.2 Does the college have an Advanced Central Research facility? If yes, have the facilities been made available to research scholars? What is the funding allocated to the facility?

Yes, the college has the advance research facility by way of an advanced research centre which caters to the research related to genomics, microbiology, metallurgical sciences, bio-chemical sciences, ELISA and protein based studies. The details of the infrastructure have also been mentioned in 3.3.1.

All these facilities are available to the faculty, Post graduate students, interns and under graduate students. Of late the college has started making these facilities available to the students / research scholars of other dental colleges. The funding allocated for this facility has been clearly mentioned in the balance sheet of the college which are available for inspection onsite.

The facilities are available to post graduate students and faculty members of the institute as well as to other institutions.

3.3.3 Does the college have a Drug Information Centre to cater to the needs of researchers? If yes, provide details of the facility.

No

3.3.4 Does the college provide residential facilities (with computer and internet facilities) for research scholars, post-doctoral fellows, research associates, summer fellows of various academies and visiting scientists (national/international)?

Yes

3.3.5 Does the college have centers of national and international recognition/repute? Give a brief description of how these facilities are made use of by researchers from other laboratories.

The college has following facilities in this regard-Centre for Advanced Research, Centre for Advanced Imaging (CBCT imaging) and Centre for Implantology within the campus. These facilities are available to undergraduates and postgraduates of other institutions after the clearance from institutional ethical committee. The college also provides support to pursue collaborative research with other institutes of the group including Engineering College at Noida for material sciences, Biotechnology, Physiotherapy and Pharmacy colleges.

3.3.6 Clinical trials and research

Are all the clinical trials registered with CTRI (Clinical Trials Research of India)?

The Institutional Ethical Committee approves all clinical trials and researches prior to commencement.

3.4 Research Publications and Awards

3.4.1 Does the college publish any research journal(s)? If yes, indicate the composition of the editorial board, editorial policies and state whether it/they is/are listed in any international database.

Yes, the college publishes its own Bi-Annual research Journal, The — Journal of Dental Specialities.

The composition of the board is as follows:

Editor – in – Chief:	Prof. (Dr.) Vinod Sachdev.
Associate Editors:	Prof. (Dr.) Anmol Kalha, Prof. (Dr.) Puneet Ahuja, Prof. (Dr.) Devicharan Shetty.
Executive Editor:	Prof. (Dr.) Manisha Lakhnupal.
Assistant Editors:	Prof. (Dr.) Piush Kumar, Prof. (Dr.) Shubhra Vaish, Dr. Ipseeta Menon.
Editorial Support:	Prof. (Dr.) Radhika Chopra Dr. Mallika Sethi Dr. Ankita Tandon

Dr. Siddharth Srivastava
 Dr. Vidhi C. Rathi
 Dr. Saurabh Juneja
 Dr. Chetna Dudeja
 Dr. Pradeep Sharma
 Dr. Ricky Pal Singh
 Dr. Pulkit Jhingan.

Editorial Policies:

The —Journal of Dental Specialities (JDS) —an official publication of I.T.S group of Dental Institutions. The first issue was released on March 2013 and we have been publishing the Journal bi-annually every year since then. The mission of this scientific journal is to provide a forum for publishing recent advances, original research studies, high quality case series and meta-analysis based systematic reviews, pertaining to dental health and related issues of population and community.

International Database Listings:

The journal is listed in EBSCO international, SIS database, OAJI, Academic keys, Cite factor, HINARI, ASI Index and JI Factor bibliography listings.

3.4.2 Give details of publications by the faculty and students:

The details of the publications and books published have been documented in the individual evaluative reports of the Departments.

3.4.3 Does the college publish any reports/compilations/clinical round-ups as a part of clinical research to enrich knowledge, skills and attitudes?

Yes, the college publishes the reports including special cases done in various departments and clinical round ups in the college magazine, —Zenith, as well as in its scientific journal, —Journal of Dental Specialities.

3.4.4 Give details of faculty serving on the editorial boards of national and international journals faculty serving as members of steering committees of national and international conferences recognized by reputed organizations/societies.

The details of the faculty serving on the editorial boards of the national and international journals and the faculty serving as members of steering committees of national and international conferences recognized by reputed organizations/societies have been enlisted in the individual evaluative reports of the Departments.

3.4.5 Provide details for the last four years research awards received by the faculty and students

The Details are summarized as:

Department of Orthodontics

Dr Payal Sharma, Dr Divya Shetty and Dr Meenu Goel won the 2nd prize for poster presentation - Role of drugs in Orthodontic tooth movement at 28th International Society of Dental Research held at ITS-CDSR from 20th – 22nd November 2015.

Dr Piush Kumar, Dr Anuja and Dr Milind won the first prize for poster titled Show your Smile- not Your Braces at the —International Conference of Dental Specialities|| in the year 2014.

Dr Meenu Goel won the 3rd prize for poster presentation - Pitchfork analysis of Class II correction using Forsus FRD at 8th APOC and 47th IOC at New Delhi, 2012.

Dr Amit Kapoor (Postgraduate student 2009- 2012 batch) won the second prize in poster presentation at Indian Orthodontic PG Convention, 2012 at Vishakhapatnam.

Dr Jasmine won the first prize for the paper presentation on —Accelerated Orthodontics|| at the IDA student's national conference held at I.T.S-CDSR on 15th and 16th March 2016.

Dr Prashant won a prize for the paper presentation on —Rethink, Rediscover and Reinnovate|| at the IDA student's national conference held at I.T.S-CDSR on 15th and 16th March 2016.

Dr Emad Ahmed won the second prize for the paper presentation on —The Pass Technique|| at the IDA student's national conference held at I.T.S-CDSR on 15th and 16th March 2016.

Dr Gurbir and Dr Apoorva Bajaj won the Second prize in paper presentation on —Distraction Osteogenesis- A Clinical case report || at the 28th International Society of Dental Research held at ITS-CDSR from 20th – 22nd November 2015.

Dr Vikas , Dr Rahul and Dr Nisheeth won the third prize in poster presentation on —show your esthetic smile, not your braces|| on the World Orthodontic Day at ITS-CDSR on 5th Oct 2015.

Department of Conservative Dentistry and Endodontics:

S. No.	Topic	Name & Batch of PG Student	Presented in Conference	Award
1	Newer horizons for tooth tissue repair – reality or virtuality (Poster)	Dr Kunal, Dr Parul Mour and Dr Abhimanyu Chaturvedi (Batch-2013-16)	ENDOCON-2014 conference at BRS Dental College, Panchkulla, Chandigarh on 19 th – 20 th , April, 2014.	Won 3 rd prize

2	Comparative Evaluation Of Remineralizing Potential Of Different Agents On Artificially Demineralized Human Enamel Using Laser Fluorescence: An In Vitro Study (Paper)	Dr Rashi Bansal (Batch 2012-15)	15 th IACDE and IES national PG convention-PGCON held at SRM Kattankulathur Dental College, Chennai from 5 th -8 th June, 2014	Won 1 st Prize
3	Oral Rehabilitation (Poster)	Dr. Megha Nagpal and Dr. Anjum Chaudhary. (Batch 2014-17)	CDE programme held at Subharti Dental College, Meerut on 28 th Aug 2014.	Won 1 st Prize
4	Comparative efficacy of 3.6ml of 4% articaine as primary buccal infiltration and 1.8 ml of 2% lidocaine as IANB in mandibular molars with symptomatic irreversible pulpitis (Paper)	Dr. Diksha Verma (Batch-2013-16)	28 th ISDR conference held at ITS-CDSR, Muradnagar from 20-22 Nov 2015	Won 1 st Prize
5	Endodontic management of bilateral maxillary molars with diverse root canal configuration (Case Report)	Dr. Megha Nagpal (Batch-2014-17)	28 th ISDR conference held at ITS-CDSR, Muradnagar from 20-22 Nov 2015	Won 1 st prize
6	C-shaped canal. A case report (Case Report)	Dr Charu Gupta (Batch-2014-17)	28 th ISDR conference held at ITS-CDSR, Muradnagar from 20-22 Nov 2015	Won 1 st Prize
7	Bifid Premolar- A case report (Case Report)	Dr Divya Jain (Batch-2014-17)	28 th ISDR conference held at ITS-CDSR, Muradnagar from 20-22 Nov 2015	Won 1 st Prize
8	Endodontic management of six canals in mandibular first molar: A case report (Case Report)	Dr. Parul Mour (Batch 2013-16)	28 th ISDR conference held at ITS-CDSR, Muradnagar from 20-22 Nov 2015	Won 2 nd Prize
9	Non surgical management of periapical lesions-A review article.	Dr. Shreya Bansal (Batch-2014-17)	28 th ISDR conference held at ITS-CDSR, Muradnagar from 20-22 Nov 2015	Won 2 nd prize

10	Debate competition	Dr. Megha Nagpal (Batch-2014-17)	30 th IACDE & 23 rd IES National Conference held at Amritsar from 27-29 th Nov 2015	Gold medal
11	Comparative efficacy of 3.6ml of 4% articaine as primary buccal infiltration and 1.8 ml of 2% lidocaine as IANB in mandibular molars with symptomatic irreversible pulpitis (Paper)	Dr. Diksha Verma (Batch 2013-16)	30 th IACDE & 23 rd IES National Conference held at Amritsar from 27-29 th Nov 2015	Bronze medal
12	Endodontic management of six canals in mandibular first molar: A case report (Case Report)	Dr. Parul Mour Agarwal (Batch 2013-16)	For the month July 2015 as displayed on the website by IACDE	The best case report
13	Endodontic management of internal root resorption in mandibular molar: A case report (Case Report)	Dr. Diksha Verma (Batch 2013-16)	For the month January 2015 as displayed on the website by IACDE	The best case report
14	Endodontic management of bilateral maxillary molars with diverse root canal configuration (Case Report)	Dr. Megha Nagpal (Batch 2014-17)	For the month October 2015 as displayed on the website by IACDE	The best case report

Department of Periodontology and Oral Implantology:

Dr Mallika Sethi and Dr Nikhil Sharma received 2ND BEST Paper presentation AWARD on —Ligaplant : Periodontio- integrated implant A tissue engineered marvel at the 28th ISDR National Conference at ITS-CDSR from 18th to 22nd Nov 2015

Dr Mallika Sethi Guided a poster on Ligaplants: A Window to regenerative dentistry, which received THE BEST POSTER AWARD during the International Conference of Dental Specialities on 9th and 10th May 2014 at I.T.S Centre for Dental Studies and Research, Muradnagar Ghaziabad.

Department of Prosthodontics:

Dr Praful Mehra received best Post Graduate Award - Prosthodontics (2012) by International College of Dentists - India, Nepal & Sri Lanka Section

Department of Pedodontics and preventive dentistry:

Dr. Radhika Chopra received the best Paper award (Faculty) at ISPPD conference held at Raipur in Oct, 2015

Dr. Pallavi Hasija received the best paper award at 28th ISDR conference held at ITS Muradnagar: —Sewing needle in root canal : A timely diagnosis||

Dr. Pallavi Hasija received the best poster award at Indian Student Dental Conference: — Look Beyond Steel: A pleasing appeal||.

Dr. Nitya Rai received the best paper award at 36th annual conference ISPPD held in 2014 at lucknow. Topic: — Knowledge , attitude and practices regarding consumption of carbonated beverages in children residing in New Delhi and Ghaziabad||

Dr. Nitya Rai and Dr. Punya Sekhri received the best paper award at 28th ISDR conference 2015 topic: — Early eruption of maxillary premolar with turner’s hypoplasia ; a rare case report||

Dr. Punya Sekhri received the best paper award at IDA conference 2014 Topic —perceived competency as dental practitioners among interns in Delhi-NCR||

Dr. Punya Sekhri received the second best poster award at IDA conference 2016 Topic|| Probiotics- A myth or reality.||

Dr. Ritika Shammi received the best paper award at 37th ISPPD held at Raipur.Topic:|| Dental Caries –A Blood Relation?

Dr. Himani Goel received the best poster award at 28th ISDR CONFERENCE held at ITS Muradnagar Topic: —Retro anesthesia –the way you come----the way you Go||

Department of Oral Pathology:

Best Paper Award - Dr. Meenakshi Chowdhary, Dr. Apama Pathak & Dr. Archana Kumari won the best paper in the National conference of Oral Medicine, Oral Pathology & Oral Surgery held at Lucknow from 13th to 15th July, 2012.

Best Paper Award -Dr. Seema Sikka won the First Prize in best paper award in _Xth National conference of Indian Association of Forensic odontology’, at ITS Dental College, Ghaziabad, from 7-9th September, 2012.

Best Paper Award -Dr. Amit Gupta, Dr. Meenakshi Chowdhary won the first prize in best paper category in _Xth National conference of Indian Association of Forensic odontology’, at ITS Dental College, Ghaziabad, from 7-9th September, 2012.

Best Paper Award- Dr. Deepti Srivastava won the Second prize for best paper in National Triple O Symposium held at I.T.S.Greater Noida from 6th -8th September , 2013.

Best Poster award: Dr. Akanksha Banga, Dr. Saurabh Juneja won the best poster award on —Estimation of serum CRP levels and its correlation with HPV status in oral potentially malignant disorders and oral squamous cell carcinoma at IAOMP National

Conference, held in Bangalore from 28th to 30th November, 2014.

Best Poster Award- Dr. Saurabh Juneja, Dr. Raghu Dhanapal and Dr. Nidhi Narwal won the second prize in Poster category on

‘Saliva as an advanced diagnostic fluid: An area unexplored’ at International Conference of Dental Specialities’ at ITS Dental College, Murad Nagar, Ghaziabad from 9-10th May 2014.

Dr. Atif Wasim, PG student, was selected in the Young Dental Researcher programme at ITS Dental College, Murad Nagar, Ghaziabad.

Best Post Graduate paper Award: Dr. Nikita Gulati won the Best Post graduate Scientific paper in 28th National ISDR Conference held on 19th - 21st November, 2015 at I.T.S. Dental College, Muradnagar.

Best Poster Award: Dr. Akriti and Dr. Flora Verma won the best poster award on topic —Paradental cyst- a clinical enigma and histopathological dilemma in XIV National Triple O Symposium, held in Subharti Dental College, Meerut, 4th -6th March 2016.

Best Paper Award: Pulkrit Gupta and Aamna Khan (Under graduate students) won the first prize in Scientific paper category (Original research) in Indian Dental Association National Students Dental Conference at I.T.S. Dental College, Muradnagar from 14th -16th March 2016.

Best paper award: Dr. Aashka Sethi won the first prize in Scientific paper in Indian Dental Association National Students Dental Conference at I.T.S. Dental College, Muradnagar from 14th -16th March 2016.

Best paper Prize: Dr. Garima Jain won the Second prize in paper presentation in faculty category in ISDR conference held in November 2015 at I.T.S. Dental College, Muradnagar.

Department of Oral Medicine:

Dr Manisha Lakhanpal : National Award- Awarded the best essay award (faculty category) for Indian Academy of Oral Medicine and Radiology, 2012.

Department of Public Health Dentistry:

Dr. Manpreet Khurana – Best Poster award on —Does parental oral health status affect the oral health status and behaviour of their children at IAPHD National Conference November 2014

Dr. Disha Latiyan -Merit award on Awareness of dentist’s about MERS Co-v in dental colleges of Ghaziabad at I.T.S.C.D.S.R Muradnagar in I.S.D.R Conference November 20-22 2015.

National and international recognition received by the faculty from reputed professional bodies and agencies:

Dr. Sanjeev Kumar awarded the Fellow of Royal College of Physicians and Surgeons of Glasgow in 1997

Dr. Sanjeev Kumar awarded the Fellow of Indian Board of Oral & Maxillofacial Surgery in 2004

Dr Vidya Dodwad was invited as a Guest speaker and chairperson for UAE International Dental Conference and Arab Dental Exhibition (AEEDC) Dubai-2012.

Dr Nikhil Sharma, Dr Abhishek Nagpal, Dr Praful Mehra and Dr Gaurav Issar were awarded —Diplomatell of World Congress for Oral Implantology (WCOI), Japan on 13th Nov, 2016.

Dr Praful Mehra was awarded Fellowship of International Congress of Oral Implantologists (FICOI) in April, 2013

Dr Mallika Sethi presented poster on Guided bone regeneration and guided bone regeneration and ridge split with simultaneous placement of dental implants for the treatment of deficient alveolar ridge in the posterior mandible: 2 different approaches at Malaysian society of Periodontology, Kuala Lumpur on 28th to 30th May 2016.

Dr. Ricky Pal Singh – Honoured by Dr. Dibyendu Mazumdar (President, Dental Council of India) at 19th Indian Association of Public Health Dentistry (IAPHD) awarded gold medal and merit certificate for being National topper in postgraduate exam in 2014.

3.4.6 Indicate the average number of post graduate and doctoral scholars guided by each faculty during the last four years.

As per the norms of the DCI, one Professor is guide for 2 Post-graduate students per year per batch. Additionally, Readers who have completed six years of teaching experience, are also assigned as guides for post graduate students. The Institute does not have any post doctoral scholars enrolled as of now.

3.4.7 What is the official policy of the college to check malpractices and plagiarism in research? Mention the number of plagiarism cases reported and action taken.

The research work and publications done by the students and the faculty are first submitted to the Institutional Research Committee, which scrutinizes for any evidence of malpractice and plagiarism. Once the clearance is obtained by the Research Committee then only the research work or the manuscripts are sent for publications to the intended journals, including the institute's journal. Various plagiarism check software are also utilized for ensuring the same. Till date no such malpractice and plagiarism case has been reported.

3.4.8 Does the institution promote multi/interdisciplinary research? If yes, how many such research projects have been undertaken and mention the number of departments involved in such endeavors?

Yes the institution promotes multi/interdisciplinary research. For the details of the research projects kindly refer section 3.1.5.

3.4.9 Has the university instituted any research awards? If yes, list the awards.

No, the University does not institute any research awards at present.

3.4.10 What are the incentives given to the faculty and students for receiving state, national and international recognition for research contributions?

The Faculty is given reimbursement as per the institutional guidelines for the expenses incurred for attending and contributing scientific presentations in national and international conferences.

3.4.11 Give details of the postgraduate and research guides of the college during the last four years.

The details of the postgraduate and research guides of the college during the last four years have been documented in the individual evaluative reports of the department..

3.5 Consultancy

3.5.1 What are the official policy/rules of the college for structured consultancy? List a few important consultancies undertaken by the college during the last four years.

The college provides consultancy services to the beneficiaries of Ex-servicemen contributory health Services (ECHS) by giving them quality treatment and empathetic patient care. A faculty in charge is allocated to address any issue related to over all functioning and patient management of ECHS patients.

The Center for Advanced Research and CBCT centre also provide their consultancy services to students of other colleges to carry out their research projects.

The college also provides consultancy services to secondary and tertiary health care centers wherein the college has established its own set-up (including equipment and material) and the income generated from this consultancy is also deposited in the account of the respective health centers.

The college also encourages its faculty to conduct workshops for other institutions.

The college also offers consultancy services to several schools, every month two schools camps are organized where children are screened for dental diseases and parents are informed to get the necessary treatment done.

The college contributes its faculty to the Dental Council of India for inspection and accreditation purposes of other dental colleges.

3.5.2 Does the university have an industry college partnership cell? If yes, what is its scope and range of activities?

The college does not have an industry college partnership cell as of now; it collaborates extensively with industry in terms of curriculum revision/imparting education, patient treatment, as well as research.

3.5.3 What is the mode of publicizing the expertise of the college for consultancy services? Which are the departments from whom consultancy has been sought?

The expertise available in different disciplines of the college is made available on the college website. The college also hands out press releases about achievements of the faculty in their area of specialization or typical treatment procedures undertaken.

The faculty of the college is also encouraged to conduct guest lectures/workshops in other colleges.

The Centre for advance research, CBCT center and CAD/CAM provide consultancy services to other colleges.

Also, the college distributes leaflets to patients regarding dental diseases and treatments, which acts as a reference to the patients themselves and their acquaintances at home and work. Videos of hospital services are displayed in waiting areas of some departments, which further informs and educates patients.

3.5.4 How does the college utilize the expertise of its faculty with regard to consultancy services?

The college encourages its faculty members to render consultancy in their area of expertise, this includes serving as members of academic panels and organizations

3.5.5 Give details regarding the consultancy services provided by the college for secondary and tertiary health care and medical / dental practitioners.

The college also provides consultancy services to secondary and tertiary health care centers wherein the college has established its own set-up (including equipment and material) and the income generated from this consultancy is also deposited in the account of the respective health centers.

3.5.6 List the broad areas of consultancy services provided by the college and the revenue generated during the last four years.

The college provides consultancy services through the Center for Advanced Research, CBCT centre and CAD-CAM center. The details of revenue generated is available on site.

3.6 **Extension Activities and Institutional Social Responsibility (ISR)**

3.6.1 **How does the institution sensitize its faculty and students on its Institutional Social Responsibilities? List the social outreach programs which have created an impact on students' campus experience during the last four years.**

In accordance with the vision of the I.T.S-CDSR, the Extension Service Program contributes to the improvement in the health of individuals and populations and the advancement of health sciences in the region. The strong management structure underpins these extension services and teaching program to ensure that the student's needs are met and academic standards are maintained at the same time benefiting the community.

The I.T.S-CDSR runs various innovative outreach programs for the rural masses:

- Establishment of Satellite Centers through Community academic partnership.
- Rural health services program using mobile Dental clinics.
- Dental screening Camps.
- Dental Health Education and Motivation Programs.
- School Dental health programs.
- Teachers and multipurpose workers dental training program.
- Parent counseling program.
- Special group services like treatment of prison inmates and management institutionalized elderly, tobacco, alcohol and drug abusers, blind, deaf & dumb, etc.
- Dental Health exhibition & Rallies.
- Industrial dental program.
- Observation of important health days.
- Transportation services.
- Blood donation camps.

The Public Health Dentistry Department of the ITS-CDSR, in collaboration with Ophthalmology, General medicine, Physiotherapy and other departments of medical hospital regularly organizes free dental checkup-cum-treatment camps in the surrounding rural and urban areas. Oral health education, awareness of oral diseases and motivation are provided and free medicines, toothpaste and other special dental material are also provided at these camps. All the above mentioned extension programs are usually incorporated into student's clinical training program or academic program either during U.G. or P.G. training.

3.6.2 How does the institution promote university-neighborhood network and student engagement, contributing to the holistic development of students and sustained community development?

The college promotes institution-neighborhood network by taking initiative, responding to the local oral health needs and demands of the community balancing the network by giving due weight-age to each of the activity by providing the resources in the form of Expert Manpower, Infrastructure Support and Financial assistance. Hence, this enhances extension activities of the institution as well as contributes to community development.

For example, if a school or a college oral health program is conducted, our student and faculty members exchange information and actively volunteer to conduct the oral health program in other settings. Since the extension activities of our institution are highly successful and well-appreciated, our programs in one area are conveyed by the local community to those of adjoining and far-flung regions, thereby generating requests from diverse populations for oral health screening and treatment camps. These camps are primarily aimed at educating and making the masses aware about the importance of Dental health care and also offers treatment facilities at their doorsteps especially for school/colleges and rural communities, which have been till now neglected.

3.6.3 How does the institution promote the participation of the students and faculty in extension activities including participation in NSS, NCC, YRC and other National/ International programs?

It is a vision of our institute to provide health services to the people in around Muradnagar area. Muradnagar is a historic town located on the outskirts of Ghaziabad, about 14 km north-east of Ghaziabad and is about 24 km from Delhi on National Highway 58 (Delhi – Meerut road). A lot of other institutions from various disciplines, schools, industries are close to the institute. The institution is doing enviable exemplary work in community oriented dental care to bring assistance and oral health care to the doorsteps of the rural, poor and disadvantaged population. For example:-

A batch of faculty and students participate in numerous free dental camps, where they are taken to a village and undertake screening or treatment program using mobile dental units, with coordination from social workers and the village gram panchayats.

From the past three years, few faculty and students daily go to satellite centers established by the Institute in MMG and Sanjay Nagar District Hospitals where they undertake comprehensive basic dental treatment procedures.

- c. At times if a health day is observed, the entire college faculty and students participate in it, for example no tobacco day, lectures are delivered using multimedia along with roll plays by students or a rally. Therefore, depending on the nature and type of activity, faculty and students participate in these activities.

3.6.4 Give details of social surveys, research or extension work, if any, undertaken by the institution to ensure social justice and empower the underprivileged and the most vulnerable sections of society? Yes. The following are the extension services to under privileged sections.

Yes, the following are the extension services to the under privileged sections:

Blind/Deaf And Dumb:-

Handicapped individuals start their life with teeth and gums that are as strong and healthy as those of the normal people but their diet, eating pattern, medication, physical limitations, lack of cleaning habits and attitudes of parents and health providers, all contribute to poor oral health of the handicapped. Special camps are conducted routinely to cater their oral health requirements. Tips to maintain oral health and education about basic oral hygiene procedures are imparted to the handicapped children along with the teachers, caregivers and the school personnel.

Institutionalized Elderly:-

The negative impact of poor oral conditions on the quality of life of institutionalized elderly is an important public health issue. The Department of Prosthodontics, ITS- CDSR organizes a free denture delivery camp on World Oral Health Day and World Elderly Day every year in which more than 200 patients benefit from the service.

Tobacco, Alcohol And Drug Abusers:-

Tobacco, Alcohol and Drug abuse is a National problem. Addicts are often unconcerned with their personal hygiene and their main concern in life is obtaining their next dose. As an effort to start the provision of dental services for drug abusers, on 31 May 2016 on the occasion of World No tobacco Day. The institute inaugurated a tobacco cessation clinic in the Department of Public Health Dentistry for counseling and facilitating habit cessation among tobacco users.

Prison Inmates:-

The prisoners are a marginalized group, who are at high risk for a variety of medical, dental and emotional disorders than those of the general population. Prisoners carry a much greater burden of illness than other members of the society. Prison health is a neglected area. The lack of concern, facilities and expertise further

deteriorates the health including oral health of the inmates. Hence, ITS-CDSR started a satellite centre in Dasna jail Ghaziabad to serve this under privileged group from May 2010 which was continued till 2015. As of now the dental material for the clinic is being provided for by the college.

Police Personnel:-

Police personnel endure particularly high levels of stress with busy work schedule. The irregular shifts in their work schedule, leads to neglecting their regular diet, sleep and indulging into adverse habits, which might affect their general as well as oral health.

As on 25th Oct 2016, 664 camps have been organized as part of the extension activities.

Department of Public Health Dentistry				
Camp Report --2012 - 2016				
S. No.	DATE	PLACE	No. of patients screened	No. of patients treated
1	01-03-2012	Rawali	77	31
2	01-05-2012	Nithari	84	40
3	01-07-2012	Kinnapur	84	34
4	01-10-2012	Milak Rawli	55	27
5	01-12-2012	Naheal	189	59
6	14/1/2012	Hindon Vihar	135	49
7	17/1/2012	Jeet pur	66	39
8	19/1/2012	Badkaaripur	134	54
9	21/1/2012	G.I.M.T Duhai	180	65
10	24/1/2012	Chitoda	47	28
11	28/1/2012	Ukralshi	99	71
12	31/1/2012	Nahal	104	69
13	02-02-2012	Ratol	129	67
14	02-04-2012	Mehmadpur	89	28
15	02-07-2012	Khamavti	77	48
16	02-09-2012	Noor pur	68	49
17	02-11-2012	Pratap Vihar	135	59
18	14/2/2012	Sec - 23 Ghaziabad	107	42
19	16/2/2012	Mathurapur	51	23
20	21/2/2012	Kharazpur	67	40
21	23/2/2012	Kumheda	71	45
22	25/2/2012	Nigravati	81	51
23	03-01-2012	Kushaliya	82	34
24	03-03-2012	Noor Nagar	82	30
25	03-06-2012	Nandgram	113	52
26	03-10-2012	Dabana	47	25
27	13/3/2012	Saunda	78	37
28	15/3/2012	Farak Nagar	120	40

29	17/3/2012	Nandgram	148	63
30	20/3/2012	Ujaeada	102	46
31	22/3/2012	Murad Nagar	138	48
32	24/3/2012	Sihani	105	39
33	27/3/2012	Samasherpur	31	23
34	29/3/2012	Amerpur Gadhi	56	30
35	31/3/2012	Manki	48	25
36	04-03-2012	Abupur	90	41
37	04-05-2012	Aakal pur	69	27
38	04-07-2012	Sihani	65	25
39	04-10-2012	Shastri Nagar	93	41
40	04-12-2012	SaiDham Salamabad	84	45
41	17/4/2012	Dabarshi	92	40
42	19/4/2012	Didoli	68	27
43	21/4/2012	Shukan Gadi	64	16
44	24/4/2012	Shezadpur	35	22
45	26/4/2012	Bahadurpur	94	42
46	28/4/2012	Nandgram	122	15
47	05-01-2012	Kalchina	96	40
48	05-03-2012	Noorpur	94	42
49	05-05-2012	Ghognamore	124	64
50	05-08-2012	Firozpur	29	12
51	05-10-2012	Bandipur	59	41
52	05-12-2012	Sihani	90	45
53	15/5/2012	Badkaaripur	92	37
54	17/5/2012	Kakda	78	53
55	19/5/2012	Gagan vihar	110	49
56	22/5/2012	Jalalabad	79	39
57	24/5/2012	Surana	64	34
58	26/5/2012	Sikri Khurd	76	40
59	29/5/2012	Suthari	56	41
60	31/5/2012	Duhai	87	53
61	06-02-2012	Aakash Nagar Ghaziabad	69	32
62	06-05-2012	Neak Pur	114	36
63	06-07-2012	Rawavi	84	35
64	06-09-2012	Noor Nagar GZB	65	39
65	06-12-2012	Jalalpur	66	28
66	14/6/2012	Milak Rawli	77	37
67	16/6/2012	Naglaber	75	54
68	19/6/2012	Milak Duhai	62	47
69	21/6/2012	Idgaha Basti	109	50
70	23/6/2012	Bikanpur	62	36
71	26/6/2012	Kaushalya	76	43
72	28/6/2012	Kalughadi	88	32
73	30/6/2012	Noor Nagar	77	40
74	07-03-2012	Kharazpur	50	26

75	07-05-2012	Sarna	69	33
76	07-07-2012	Kanuja	58	28
77	07-10-2012	Dhindar	45	21
78	07-12-2012	Pursi	61	34
79	19/7/2012	Dabana	46	22
80	21/7/2012	Shazadpur	43	20
81	24/7/2012	Dhedha	55	30
82	26/7/2016	Sounda	68	33
83	28/7/2016	Jeetpur	99	35
84	31/7/2016	Sibbanpura	18	8
85	08-04-2012	GDA Office GZB	124	54
86	08-07-2012	Sec-23 GZB	52	22
87	08-11-2012	Amrala	37	12
88	14/8/2012	Satily	70	26
89	16/8/2012	Shobhapur	24	11
90	18/8/2012	Duhai	77	24
91	21/8/2012	Ujaeada	42	24
92	23/8/2012	Gyaspur	49	24
93	25/8/2012	Ek Manara Masjid Murad Nagar	93	32
94	28/8/2012	Vivekanand Nagar	60	27
95	30/8/2012	Razapur	64	26
96	09-01-2012	Kuralsi	75	18
97	09-04-2012	Gadi	72	29
98	09-06-2012	Murad Nagar	87	17
99	09-11-2012	Bhagwali Colony	110	28
100	13/9/2012	Abupur	202	27
101	15/9/2012	Kalchina	55	18
102	18/9/2012	Surya Enclave	131	38
103	20/9/2012	Noor pur	90	32
104	22/9/2012	Nasir Pur	73	22
105	25/9/2012	Shamsherpur	58	20
106	27/9/2012	Dhidoli	119	22
107	29/9/2012	Islam Nagar	98	23
108	10-04-2012	Bhaneada	64	31
109	10-06-2012	Noor Nagar	62	14
110	10-09-2012	Irder gadhi GZB	63	28
111	10-11-2012	Shazadpur	105	24
112	16/10/2012	Jassi Pura	82	30
113	18/10/2012	Kaithwadi	60	23
114	20/10/2012	Kailla Chock	99	32
115	25/10/2012	Manota	36	16
116	27/10/2012	Bajaria GZB	106	30
117	30/10/2012	Raispur GZB	109	12
118	11-01-2012	Akeel Pur	71	19
119	11-03-2012	Islam Nagar	97	40
120	11-06-2012	Bhikanpur	43	35

121	11-08-2012	Khamawati	46	38
122	11-10-2012	Nagla Ber	73	35
123	17/11/2012	Melak Chakarpur	162	35
124	20/11/2012	Dousa Banjarpur	111	18
125	22/11/2012	Bhodoli	93	26
126	24/11/2012	Lalquater	169	70
127	27/11/2012	Neakpur	105	29
128	29/11/2012	Kazampur	38	22
129	12-04-2012	Prem Enclave GZB	92	57
130	12-06-2012	Keotatpur	105	43
131	12-08-2012	Mahmudabad	90	38
132	12-11-2012	Mankee	31	19
133	13/12/2012	Mathurapur	75	22
134	15/12/2012	Kinheapur	40	13
135	18/12/2012	Hussanpur	45	21
136	20/12/2012	Rawali kala	76	42
137	22/12/2012	Vihang	68	33
138	27/12/2012	Kushiliya	40	26
139	29/12/2012	Kalchina	55	42
140	01-03-2013	Kanoja	61	20
141	01-05-2013	Ghantanagar GZB	76	32
142	01-08-2013	Nashirpur	76	36
143	01-10-2013	Dhindar	19	8
144	01-12-2013	Salamabad	77	25
145	15/1/2013	Sec - 23 Ghaziabad	62	30
146	17/1/2013	Surana	88	38
147	19/01/2013	Arthla	136	56
148	22/1/2013	Guldhar	111	34
149	24/01/2013	Karheda Mohannagar	85	47
150	29/1/2013	Suthari	79	17
151	31/1/2013	Kakra	70	44
152	02-02-2013	Dhindar	58	40
153	02-05-2013	Pursi	66	28
154	02-09-2013	Sahapur	82	40
155	02-12-2013	Islam Nagar	96	28
156	14/2/2013	Bandipur	49	30
157	17/2/2013	Nandgram	88	26
158	19/2/2013	Karheada	291	35
159	21/2/2013	Dheadha	80	32
160	23/2/2013	Morta	112	32
161	26/2/2013	Bhatiamore GZB	116	27
162	28/2/2013	Arthla	155	56
163	03-02-2013	Begamabad	126	45
164	03-03-2013	Sec - 23 Ghaziabad	108	43
165	03-07-2013	Firozpur	62	28
166	03-09-2013	Kushalia	67	20

167	03-12-2013	G.I.M.T Duhai	125	40
168	14/3/2013	Khethwadi	53	15
169	16/3/2013	Sikri Khurd	101	30
170	17/3/2013	Vivekanand Nagar	180	41
171	19/3/2013	Kallu gadhi	49	22
172	21/3/2013	Afzal Pur Nistholi	47	19
173	23/3/2013	Shaheed Nagar GZB	125	24
174	28/3/2013	Jeet pur	77	31
175	31/3/2013	Nandgram	113	33
176	04-02-2013	Badkaaripur	62	17
177	04-04-2013	Saunda	80	21
178	04-06-2013	Subhash Mandi	70	24
179	04-09-2013	Kalchina	61	27
180	04-11-2013	Dabana	41	12
181	13/4/2013	Idgaha Basti	65	35
182	14/4/2013	Jassi Pura	75	39
183	18/4/2013	Ujaeada	32	26
184	20/4/2013	Gokuldharm	41	19
185	25/4/2013	Abupur	115	31
186	27/4/2013	Mamedpur	131	26
187	28/4/2013	Bhatiamod gzb	119	51
188	30/4/2013	Noorpur	66	43
189	05-02-2013	Gangavihar Murad Nagar	63	22
190	05-04-2013	Fathey Pur	37	17
191	05-07-2013	Jalalabad	93	44
192	05-11-2013	Sikheada	51	34
193	05-12-2013	Vivekanand Nagar	72	33
194	16/5/2013	Didoli	62	25
195	18/5/2013	Shehid Nagar GZB	93	41
196	21/5/2013	Bajaria GZB	69	28
197	23/5/2013	Abupur	62	28
198	25/5/2013	Kalchina	63	30
199	26/5/2013	raghunath Farm House Nandgram	75	32
200	28/5/2013	Chaman Colony Islam Nagar	29	18
201	30/5/2013	Khuram pur Muradnagar	59	25
202	06-01-2013	Badila	63	37
203	06-04-2013	Manota	50	26
204	06-06-2013	Husan Pur	79	29
205	06-08-2013	Sarna	55	19
206	06-09-2013	Noornagar	15	3
207	06-11-2013	Bajaria GZB	61	32
208	13/6/2013	Salamabad	78	24
209	18/6/2013	Nandgram	84	40
210	20/6/2013	Gyashpur	36	18

211	22/6/2013	Akeada	76	33
212	23/6/2013	Sec - 23 Ghaziabad	43	36
213	25/6/2013	Delhi Gate GZB	132	35
214	27/6/2013	Kanojja	104	39
215	29/6/2013	Memedpur	73	34
216	07-02-2013	Kumheda	51	22
217	07-04-2013	Patel Nagar GZB	121	35
		Railway Road		
218	07-06-2013	Muradnagar	102	44
219	07-07-2013	Sadar Pur	71	36
		Vijay Mandi		
220	07-09-2013	Muradnagar	58	22
221	07-11-2013	Hishali	62	31
222	13/7/2013	Sahani GZB	53	31
		Preet Vihar Murad		
223	16/7/2013	Nagar	79	32
224	18/7/2013	Ghadi	62	24
225	20/7/2013	Kinhapur	41	17
226	21/7/2013	Raziapur GZB	66	31
227	23/7/2013	Chatta Delhi Gate GZB	71	22
228	25/7/2013	Ghantaghar GZB	61	25
229	27/7/2013	Rahes pur	86	34
230	30/7/2013	Bhaneda	79	35
231	08-01-2013	Jeetpur	27	13
232	08-06-2013	Trimurthi Vihar Jalalpur	53	21
233	08-06-2013	Arthla	61	61
234	08-08-2013	Sahani GZB	39	16
235	08-10-2013	Chitoda	28	20
236	08-11-2013	Chiranjeev Vihar GZB	110	53
237	24/8/2013	Navyug Market	144	57
238	25/8/2013	Hindon Vihar	136	30
239	31/8/2013	Sarna	118	30
240	09-01-2013	Nandgram	57	23
241	09-03-2013	Nanglaber	72	28
		Hydel Colony		
242	09-05-2013	Muradnagar	54	29
243	09-07-2013	Kakda	58	29
244	09-08-2013	Pratap Vihar	144	32
245	14/9/2013	C Block	48	28
246	15/9/2013	Kavinagar	56	33
247	19/9/2013	Milak Rawali	57	28
248	21/9/2013	Aryasmaj	108	27
249	22/9/2013	Bihari Nagar GZB	128	20
250	24/9/2013	Suthari	27	15
251	26/9/2013	Makrada	68	23
252	28/9/2013	Sikri Khurd	75	42
253	10-01-2013	Dhindar	57	30

254	10-03-2013	Sec - 23 Ghaziabad	50	35
255	10-05-2013	Nandgram	79	37
256	10-06-2013	Dhedha	55	24
257	10-08-2013	J.L.M College Murad Nagar	163	9
258	10-10-2013	Baagwali Colony GZB	83	26
259	15/10/2013	Amrala	90	27
260	17/10/2013	Noor Nagar GZB	97	35
261	19/10/2013	Arthla	126	36
262	20/10/2013	Pursi	62	32
263	22/10/2013	Surana	46	42
264	26/10/2013	Abupur	114	38
265	29/10/2013	Rawli Satellite	80	39
266	11-09-2013	Manota	80	28
267	11-10-2013	raghunath Farm House Nandgram	102	57
268	11-12-2013	Pratap Vihar	79	31
269	14/11/2013	Vivekanand Nagar	60	24
270	16/11/2013	Vashundara	83	29
271	19/11/2013	Shaheed Nagar GZB	104	29
272	21/11/2013	Satli	87	42
273	26/11/2013	Neak Pur	66	41
274	28/11/2013	Jeetpur	63	32
275	30/11/2013	Kalchina	91	34
276	12-01-2013	Arthla	120	43
277	12-03-2013	Majn Bazar Murad Nagar	88	37
278	12-07-2013	Sahani GZB	103	42
279	12-08-2013	Golmarket Muradnagar	112	49
280	12-10-2013	Dhedha	63	26
281	17/12/2013	Duhai	140	40
282	19/12/2013	Sibbanpura	116	45
283	21/12/2013	Kailla Bhatta GZB	205	89
284	22/12/2013	Brij Vihar Murad Nagar	102	29
285	24/12/2013	Sondha	101	45
286	26/12/2013	Suthari	163	39
287	28/12/2013	Didoli	175	43
288	31/12/2013	Rawali	101	57
289	01-02-2014	Railway Road , Muradnagar	207	52
290	01-04-2014	Abupur	143	53
291	01-05-2014	Sevadham Premen clave	65	34
292	01-07-2014	Bajaria	113	44
293	01-09-2014	Gyaspur	99	37
294	01-11-2014	Ujjeda	103	13
295	14/01/2014	Karheada	102	31
296	16/01/2014	Mamta Wali Gali,Muradnagar	122	35

297	18/01/2014	Patel Nagar-II GZB.	125	36
298	19/01/2014	Arthala Mohan Nagar	118	35
299	21/01/2014	Ghadi,Muradnagar	65	30
300	23/1/2014	Jalalpur Road , Muradnagar	114	29
301	25/1/2014	Dabana	104	41
302	28/1/2014	Shahtri Nagar, Ghaziabad	171	33
303	30/1/2014	Sahavishya Jalalpur road	165	53
304	02-01-2014	J- Block Sec-23 sanjay Ngr,Gzb.	183	38
305	02-02-2014	Siddharth Vihar NH-24	83	35
306	02-04-2014	Khumehada	76	40
307	02-06-2014	Bhanada	80	33
308	02-08-2014	Saundha	104	38
309	02-11-2014	Shajadpur	102	31
310	13/2/2014	Khimawti	144	40
311	15/2/2014	Morta	109	39
312	16/2/2014	ashram road	63	39
313	18/2/2014	chungi no.3 muradnagar	113	38
314	20/2/2014	D.P.S.G Dasna	163	163
315	27/2/2014	Khatwadi	105	37
316	03-01-2014	Didolli	92	48
317	03-02-2014	Morta	97	43
318	03-04-2014	T.P.T.K.P.T.M. Degree Clg Rawli	197	37
319	03-06-2014	Bandipur	132	43
320	03-08-2014	Kalcheana	274	49
321	03-11-2014	Partapvihar gzb	240	53
322	13/3/2014	Firozpur	154	46
323	15/3/2014	Sarna	125	53
324	18/3/2014	Shobhapur	106	22
325	20/3/2014	Dhindhar	105	48
326	22/3/2014	Kalcheana	130	42
327	23/3/2014	Balaji Enclve hindonvihar mohnagr	89	40
328	25/3/2014	Vivekanand nagar gzb	160	54
329	27/3/2014	Salamabad	107	37
330	29/3/2014	Akada	105	41
331	04-01-2014	Nasirpur	194	45
332	04-03-2014	Khurampur	159	49
333	04-05-2014	Kinheapur	156	41
334	04-06-2014	NandGram gzb	122	34
335	04-08-2014	Suryaenclave gzb	129	33
336	04-12-2014	Sahani	162	39
337	15/4/2014	Ravli	153	39
338	22/4/2014	Rajeev colony karheada	130	52
339	24/4/2014	Milakrawli	101	45

340	26/4/2014	Manki	108	35
341	29/4/2014	c- block Sec-23 gzb	142	50
342	05-01-2014	Revdi	115	48
343	05-03-2014	Pasoanda	110	37
344	05-04-2014	Garima garden SAHIBABAD	90	40
345	05-06-2014	Sibbanpura	111	36
346	15/5/2014	NandGram gzb	181	39
347	17/5/2014	New Kaherda mohnagr	197	35
348	18/5/2014	Arthla mohnnagar	113	46
349	20/5/2014	Menadpurkadin	116	38
350	22/5/2014	Manoli	151	44
351	24/5/2014	Badoli	118	25
352	25/5/2014	Sahani gzb	123	38
353	27/5/2014	Railway Road , Muradnagar	114	42
354	29/5/2014	Milak Chakapur	124	49
355	30/5/2014	Goon	120	41
356	31/5/2014	Abupur	105	46
357	06-03-2014	Fatahpur	107	49
358	06-05-2014	Gejha	111	42
359	06-07-2014	Shikhada Hajjari	107	34
360	06-10-2014	Sec 23 gzb	94	35
361	06-12-2014	Puthri Nhar	78	45
362	15/6/2014	Shibbanpura gzb	102	35
363	17/6/2014	Idgaha Basti	104	43
364	19/6/2014	Dabana	93	44
365	21/6/2014	Saddiknagar gzb	108	43
366	22/6/2014	Sahani	84	44
367	28/6/2014	Kalcheana	117	48
368	07-01-2014	Dhindala	112	46
369	07-03-2014	Dvhai	146	50
370	07-05-2014	Sikri khurd	123	43
371	07-08-2014	Pasiara	114	47
372	07-10-2014	Basantpur Saitli	106	46
373	07-12-2014	Naglabar	108	46
374	13/7/2014	Pursi	106	40
375	15/7/2014	Mujakkipur	108	33
376	17/7/2014	NandGram gzb	110	35
377	26/7/2014	Shobhapur	56	35
378	27/7/2014	Manotta	104	33
379	31/7/2014	Kanojja	110	45
380	08-02-2014	Jalalabad	121	30
381	08-03-2014	Noorpur	109	46
382	14/8/2014	Khushallia	108	35
383	16/8/2014	Kallu gadi	94	34
384	21/8/2014	Rawli satellite	106	52

385	23/8/2014	Siwalkhas	102	31
386	26/8/2014	Siwalkhas	115	
387	28/8/2014	Arthala Mohan Nagar	109	3
388	30/8/2014	Noornagar	116	36
389	31/8/2014	Kavinagar gzb	70	15
390	09-02-2014	Pachgauv	66	
391	09-06-2014	Aapka bhavan kavinagr gzb	44	26
392	09-09-2014	Sivalkhas	123	34
393	13/9/2014	Amarala	105	40
394	14/9/2014	Shri Ram Piston Cheritable Hospital	123	41
395	16/9/2014	Tikri	105	43
396	20/9/2014	Sikri khurd		31
397	21/9/2014	Shri Ram Piston Ltd.Nh-58 Gzb.	169	51
398	23/9/2014	Johra (Siwalkhas)	97	46
399	25/9/2014	Dhindhar	201	43
400	10-04-2014	Abupur	83	31
401	10-05-2014	Ukralashi	74	35
402	10-07-2014	Jani Khurd	115	50
403	10-11-2014	Morti	115	33
404	10-12-2014	Karheada	97	34
405	14/10/2014	Chandora	110	25
406	16/10/2014	Sarna	126	51
407	18/10/2014	Kalcheeana	138	47
408	21/10/2014	Shipura (Siwalkhas)	93	45
409	28/10/2014	Siwalkhas	108	32
410	30/10/2014	Khurampur	111	47
411	11-01-2014	Ratol	99	29
412	11-02-2014	Railway Road , Muradnagar	123	37
413	11-04-2014	Khusadi	106	32
414	11-06-2014	Chamraval	70	29
415	11-08-2014	Bamba Road Ward No-2 Muradnagar	113	48
416	11-11-2014	Mujakkipur	114	44
417	13/11/2014	Dhindar	215	40
418	15/11/2014	Jeetpur	140	34
419	16/11/2014	NandGram gzb	119	39
420	18/11/2014	Sivalkhas	159	43
421	22/11/2014	Duhai	158	36
422	25/11/2014	Bapu Dham Govindpuram	171	45
423	30/11/2014	Arthala Mohan Nagar	164	41
424	12-07-2014	Sihani	119	39
425	16/12/2014	Lodha	182	49
426	18/12/2014	Sondha	227	52

427	21/12/2014	Kavinagar gzb	194	68
428	27/12/2014	Saitally	154	44
429	30/12/2014	Sivalkhas	166	48
430	01-03-2015	Shezadpur	178	49
431	01-04-2015	Nandgram Gzb	128	43
432	01-06-2015	Bhadarpur	177	40
433	01-08-2015	Dabana	156	39
434	01-10-2015	Manki	168	48
435	13/1/2015	Goon	146	47
436	15/01/2015	Ujjeda	179	39
437	17/01/2015	Kasba Road Muradnagar	199	56
438	18/01/2015	Sihani Ghaziabad	103	41
439	20/01/2015	Nistolli	145	44
440	22/01/2015	Didoli	112	40
441	24/1/2015	Kalchina	172	43
442	27/1/2015	Pachegav	135	39
443	29/1/2015	Abupur	147	55
444	31/1/2015	Sikrikhurd	161	40
445	02-03-2015	Nandgram Gzb	269	51
446	02-05-2015	Karheda	208	49
447	02-08-2015	Ashiyana Parm Court Ghaziabad	150	41
448	02-10-2015	Siwalkhas	182	30
449	14/2/2015	Nagla Ber	191	55
450	17/2/2015	Rawlikalla	165	47
451	19/2/2015	Kallugudi	159	43
452	22/2/2015	Arthala	142	42
453	24/2/2015	Gejha	236	47
454	26/2/2015	Khussalliya	278	33
455	28/2/2015	Guldhar Jgriti Vihar Sec 23 Ghaziabad	270	40
456	03-03-2015	Sikrikalla	203	27
457	03-10-2015	Lohada	135	34
458	03-12-2015	Hassanpur	322	53
459	14/3/2015	Neakpur	242	46
460	15/3/2015	C Block Parshavnath Apartment Mohanagar	200	47
461	21/3/2015	Kharajpur	191	49
462	24/3/2015	Khurali	272	30
463	26/3/2015	Khurampur	156	39
464	28/3/2015	Milakrawli	69	6
465	29/3/2015	Bhikanpur	112	40
466	31/3/2015	City-Param Govind Charitable Trust Gzb	209	37
467	04-02-2015	Sultanpur	256	52
468	04-07-2015	Pudharri	246	39
469	04-09-2015	Salamabad	161	37

470	04-11-2015	Dhindhar	160	30
471	04-12-2015	Lohia Nagar Ghaziabad	234	56
472	21/4/2015	Kuralli	151	32
473	23/4/2015	Milak Chakurpur	143	35
474	26/4/2015	Karehda	133	44
475	28/4/2015	Rawli	91	
476	30/4/2015	Govind Puram Akashnagar Gzb	235	40
477	05-03-2015	B-Block Nandgram Gzb	144	43
478	05-05-2015	Siwalkhas	167	50
479	05-07-2015	Shobhapur	196	55
480	05-12-2015	Gyaspur	132	31
481	14/5/2015	Nabipur	183	38
482	17/5/2015	Karheda	78	35
483	19/5/2015	Nanglakumbha	143	37
484	21/5/2015	Noorgah Mazid Muradnagar	328	56
485	26/5/2015	Khumeada	181	50
486	31/5/2015	A-Tek Enterprises Manotta	206	64
487	06-02-2015	Chanrra	228	32
488	06-07-2015	Sahani Noornagar Gzb	198	50
489	06-09-2015	Afzullpur Nistolli	101	49
490	06-11-2015	New Noor Ganj Muradnagar	121	47
491	13/6/2015	Gadhi	110	56
492	16/6/2015	Siwalkhas	121	54
493	18/6/2015	Rottolle	112	54
494	23/6/2015	Ashalalpur	120	56
495	25/6/2015	Sarna	118	60
496	27/6/2015	Kakda	103	58
497	30/6/2015	Khanpur	103	39
498	07-05-2015	Arthala	104	46
499	07-07-2015	Bandipur	108	44
500	07-09-2015	Valmiki Colony Rawli road	102	43
501	07-11-2015	Nangla Aakoo	81	35
502	16/7/2015	Goona	92	31
503	23/7/2015	Rawli Road Muradnagar	65	18
504	26/7/2015	Nandgram Gzb	118	69
505	28/7/2015	Siwalkhas	203	59
506	30/7/2015	Jalalpur road Shivishivam Muradnagar	113	41
507	08-02-2015	Arthala	228	45
508	08-04-2015	Manshoorpur	141	58
509	08-06-2015	New noor ganj Muradnagar	245	56

510	08-08-2015	Jalalpur Dhandhar	146	33
511	18/8/2015	Muzzakipur	123	54
512	20/8/2015	Kalcheana	203	37
513	22/8/2015	Neakpur	201	61
514	23/8/2015	Sibbanpura	159	52
515	25/8/2015	Rajpur, Loni	195	53
516	27/8/2015	Kalcheana	197	49
517	09-01-2015	Siwalkhas	147	43
518	09-03-2015	Sikrikhurd	182	53
519	09-08-2015	Mubarakpur	238	59
520	09-10-2015	Kalcheana	244	50
521	13/9/2015	Parsavnath Appartment Mohannagar	124	41
522	15/9/2015	Kulari Siwalkhas	140	52
523	17/9/2015	Manki	102	42
524	22/9/2015	Asalatpur	155	54
525	24/9/2015	Kalcheana	161	52
526	27/9/2015	Nandgram Gzb	106	43
527	10-01-2015	Kalcheana	153	50
528	10-04-2015	Shalimar Garden Sahabad	113	42
529	10-06-2015	Siwalkhas	132	40
530	10-08-2015	Nistoli	153	56
531	10-10-2015	Kharajpur	137	51
532	13/10/2015	Kasturba Gramkust Ashram Shadara	115	59
533	20/10/2015	Chindora	130	39
534	27/10/2015	Ratoll	177	45
535	30/10/2015	Kalcheana	116	36
536	11-03-2015	Surana	156	35
537	11-05-2015	Sonda	102	42
538	11-07-2015	Khamawati	181	51
539	11-08-2015	Sanjay Colony Arthala Gzb	141	42
540	17/11/2015	Tikri	121	47
541	24/11/2015	Khatwadi	112	43
542	26/11/2015	Dabana	186	49
543	27/11/2015	Shamsherpur	112	42
544	29/11/2015	Sultanpur	138	49
545	12-01-2015	Rawli	162	45
546	12-03-2015	Faraknagar	160	44
547	12-06-2015	Nandgram	162	57
548	12-08-2015	Khanpur	130	35
549	12-10-2015	Didolli	132	45
550	12-12-2015	Ratoll	175	41
551	15/12/2015	Shastri Nagar Gzb	129	56
552	17/12/2015	Kailla Bhatta Gzb	205	56

553	20/12/2015	Rajeev Colony Mohan Nagar	118	50
554	22/12/2015	Shastri Nagar Gzb	132	49
555	24/12/2015	Vivekanand Nagar	131	46
556	29/12/2015	Bada Gauv Ratol	142	43
557	01-05-2016	Ratoll	151	44
558	01-07-2016	Nasirpur	105	43
559	01-09-2016	E- Block Sec 23 Gzb	145	51
560	01-12-2016	Siwalkhas	151	53
561	14/1/2016	Udal nagar Patel marg Shibbanpura	123	39
562	17/1/2016	Meerpur	122	37
563	19/01/2016	Faraknagar	135	42
564	21/01/2016	Vivekanand Nagar Gzb	116	44
565	28/01/2016	Nagla Akhoo	137	45
566	31/1/2016	Lohiya Nagar Gzb	135	37
567	02-02-2016	Siwalkhas	128	48
568	02-04-2016	Paanchi	136	22
569	02-09-2016	Kalcheena	154	53
570	02-11-2016	Pudhri	144	42
571	13/2/2016	Rajapur Valmiki Colony	128	45
572	14/2/2016	River Height Appartment Rajnagar Extension	128	44
573	16/2/2016	Sikri	175	58
574	23/2/2016	Shikand Ahujja Fathapur	125	49
575	25/2/2016	Ujjaida	122	44
576	28/2/2016	VVIP Address Rajnagar Extension Gzb	109	36
577	03-01-2016	Kalchina	122	58
578	03-03-2016	Sonda	119	47
579	03-06-2016	Partap Nagar Policeline Gzb	131	58
580	03-08-2016	Didolli	152	44
581	03-10-2016	Lohiya Nagar Ghaziabad	122	45
582	03-12-2016	Nand Gram Gzb	130	46
583	17/3/2016	Kalcheina	117	44
584	19/03/2016	Sultanpur	131	53
585	26/3/2016	Indergadhi Ghaziabad	104	51
586	27/3/2016	Nandgram Ghaziabad	105	50
587	29/3/2016	Kalcheena	168	50
588	31/3/2016	Kurali	114	30
589	04-02-2016	Khalla	149	54
590	04-05-2016	Faraknagar	141	48
591	04-07-2016	Dhaurali	169	46
592	04-10-2016	New noor Ganj Murad nagar	121	45

593	04-12-2016	Ratoll	116	57
594	21/4/2016	C block Nand gram	118	49
595	23/4/2016	Chiroli	296	47
596	24/4/2016	Arthla	121	47
597	26/4/2016	Farak Nagar	139	53
598	28/4/2016	Ghaziabad Sce – 23	122	52
599	30/4/2016	Chandora	100	47
600	05-03-2016	Noor pur	121	58
601	05-05-2016	Udal Nagar Ghaziabad	144	53
602	05-08-2016	Nek pur	114	52
603	05-10-2016	Chitoda	101	53
604	05-12-2016	Kalpna Nagar Ghaziabad	119	49
605	17/5/2016	Badka Arifpur	111	50
606	19/5/2016	Sec -23 Sanjay Nagar Ghaziabad	105	42
607	22/5/2016	Ghugna Ghaziabad	111	47
608	24/5/2016	Siwal Khas	103	24
609	26/5/2016	Rajapur Ghaziabad	110	47
610	28/5/2016	Chamraval	117	41
611	06-02-2016	Raispur	136	58
612	06-05-2016	Mohanagar	113	61
613	06-07-2016	Nistoly	111	42
614	06-09-2016	Bajaira	125	46
615	06-11-2016	Block Nand gram	97	53
616	16/6/2016	Harsh Enclave	115	43
617	18/6/2016	Karheada Mohannagar	106	52
618	19/6/2016	Nand Gram Gzb	114	52
619	22/6/2016	Bhaneada	111	49
620	23/6/2016	Sadarpur	113	42
621	25/6/2016	Majakipur	106	26
622	30/6/2016	Singoli	103	51
623	07-02-2016	Shiani	149	49
624	07-05-2016	Sarfabad	135	46
625	07-10-2016	Nandgram Ghaziabad	112	47
626	07-12-2016	Shamsharपुर	125	52
627	14/7/2016	islam nagar	118	39
628	16/7/2016	forest department sanjay nagar	67	51
629	22/7/2016	Nangla akho	103	47
630	23/7/2016	Tehsil modinagar	104	51
631	24/7/2016	Panchsheelp App. GZb	107	44
632	26/7/2016	Nek Pur	112	40
633	08-02-2016	Ghona	113	42
634	08-04-2016	islam nagar	135	48
635	08-06-2016	Surana	113	44

636	08-07-2016	Prem Enclave Ghaziabad	105	52
637	08-09-2016	Khela	108	68
638	08-11-2016	Jassi pura Ghaziabad	116	61
639	16/8/2016	Siwal Khas	103	59
640	17/8/2016	Loha Mandi Ghaziabad	119	62
641	23/8/2016	Rawali	109	57
642	28/8/2016	Nandgram Ghaziabad	159	75
643	30/8/2016	Bahadur Pur	123	49
644	09-01-2016	islam nagar	124	49
645	09-04-2016	Arthla	111	65
646	09-06-2016	Kherajpur	131	55
647	09-08-2016	Nasratpura Ghaziabad	110	58
648	09-10-2016	Makreda	144	48
649	15/9/2016	Bajaria Ghaziabad	104	44
650	18/9/2016	Nandgram Ghaziabad	111	57
651	20/9/2016	Chamraval	121	57
652	22/9/2016	Duhai	129	51
653	24/9/2016	D Block Nandgram	134	55
654	27/9/2016	Nagarpalika Hapur	143	106
655	29/9/2016	Ratoll	130	60
656	10-01-2016	Neak Pur	106	52
657	10-04-2016	Mehmudabad	103	47
658	10-06-2016	Kalchina	129	50
659	10-08-2016	Siwal Khas	114	50
660	15/10/2016	Ekminar Manzil Muradnagar	148	67
661	16/10/2016	Udal Nagar GZb	103	49
662	20/10/2016	Kalcheena	152	55
663	23/10/2016	D Block Nandgram	102	51
664	25/10/2016	Mansoor Pur	87	39

3.6.5 Does the institution have a mechanism to track the students' involvement in various social movements / activities that promote citizenship roles?

Yes, through Mentors and by involving them in various social outreach programs of the college, the student's involvement in various activities is monitored.

3.6.6 How does the institution ensure the involvement of the community in its outreach activities and contribute to community development? Give details of the initiatives of the institution that have encouraged community participation in its activities.

The institute works extensively in collaboration with village heads, local NGOs, teachers, gram panchayats, industrialist, social workers and voluntary agencies and services are given in the region As

discussed in 3.6.2., the outreach activity of the institute is well appreciated. The summary is given as:

Summary (2012 - 25 Oct 2016)				
Year	Regular Camp	School Camp	Total Camp	Total Patients
2012	139	14	153	16051
2013	149	13	162	16813
2014	141	26	167	24273
2015	127	23	150	32107
2016	108	18	126	19632

3.6.7 Give details of awards received by the institution for extension activities and/contributions to social/community development during the last four years.

The institute is extensively involved for the extension activities targeted towards social / community developments. In the last 4 years various awards have been given to the institution for such contributions. To name a few, Bharat Excellence Award, Glory Of India Award, International Gold Star Award , Rashtriya Ratan Award, Rashtriya Shiksha Shiromani Award etc. These awards have been collected by the Chairman / Vice-chairman/ Secretary on behalf of the institution.

Dr. Hari Parkash professor Emeritus has been actively involved in WHO projects and WHO activities as temporary advisor to WHO to develop oral-health strategies for the South- East Asia region and also as the Chairman of ICMR Task Force projects on Pre-cancer and Cancer lesions.

The community / Social development projects of I.T.S-CDSR have being recognized by the Indian Association of Dental Public Health.

The college has received several letters of appreciation and mementoes from local organizations, Schools, panchayats and Local bodies who have invited the college to conduct dental and medical health camps as a part of the extension activities

3.6.8 What intervention strategies have been adopted by the institution to promote the overall development of students from rural/ tribal backgrounds?

The qualifying criteria for entrance to the BDS Degree are laid down by the State and the Statutory Body, under the order of the Honorable Supreme Court of India. Hence intervention strategies have no role in admission for students from rural /tribal backgrounds.

However for the weaker students institute provides additional academic facilities to improve their standards by extra Computer and English classes.

To promote cultural integrity and between students from different cultural diversities the college organizes various festivals like Bihu festival celebrated recently.

3.6.9 What initiatives have been taken by the institution to promote social-justice and good citizenship amongst its students and staff? How have such initiatives reached out to the community?

The college provides discounted rates for handicapped individuals and free services for very poor patients (authorized by the Director PG Studies/Principal, on a need basis). In general, the diverse range of treatment provided by the college is also subsidized for the benefit of socially/economically disadvantaged segments of the society. Moreover, all treatment undertaken as part of the college's extension activities is delivered free of cost. These approaches give a sense to the students and staff of the college about the importance of promoting social justice and good citizenship. The Faculty and students are exposed to discourses / talks by eminent social personalities, Meditation, yoga, Art of Living etc. to inculcate good values and social responsibilities.

3.6.10 How does the institution align itself with the annual themes/programs of WHO/ICMR?

The colleges organizes programs in alignment to WHO / ICMR themes in the forms of Rallies and Workshops like World No Tobacco Day, World Health Day, World Elderly Day etc. No Tobacco is observed every year on 31st May of the year.

3.6.11 What is the role of the institution in the following extension activities?

Community outreach health programs for prevention, detection, screening, management of diseases and rehabilitation by cost effective interventions.

- The Institute provides strategic planning and manpower including specialists for prevention, detection, screening, management of diseases and rehabilitation. In addition, the institute also provides logistic support like free transport for the dental team as well as patients. In order to achieve cost effective intervention the institute has procured portable dental chairs and equipment to provide free treatment to the underprivileged patients in rural setup. Community outreach health programs also include numerous lectures and health talks on Prevention of Dental Diseases and other health ailments like effect of Periodontal diseases on the heart diseases diabetes and low weight pre-mature child birth.

The institute has 2 mobile dental units with all facilities under

the vehicle department, where all the vehicles belonging to the I.T.S-CDSR are pooled. Using the mobile dental units, the institute regularly organizes Dental health camps at far-flung villages and small townships. These camps are primarily aimed at educating and making the masses aware about the importance of Dental health and also offer treatment facilities at their doorsteps especially for rural communities, by giving due importance to each of the activity by providing the resources in the form of Expert Manpower, Infrastructure Support and Financial assistance. Moreover, all these services are done free of charge. As a social service, the hospital has started buses on multiple routes. The college has recently added a state of the art Mobile Dental Ambulance with two Hi-Tech Chairs and well equipped armamentarium for community outreach purposes.

Awareness creation regarding potable water supply, sanitation and nutrition.

Awareness amongst the masses regarding potable water supply, sanitation and nutrition, is being increased by providing easy access to and use of, new scientific knowledge by the health care providers through modern information and communication technologies such as multimedia and LCD projectors along with handouts in the local language and Public health education through posters, charts, audio recordings done at various camps organized by the institute.

Awareness creation regarding water-borne and air-borne communicable diseases.

- Awareness amongst the masses regarding water-borne and air-borne communicable diseases, is being increased by providing easy access to, and use of, new scientific knowledge by the health care providers through modern information and communication technologies such as multimedia and LCD projectors along with handouts in the local language, and Public health education through posters, charts, audio recordings done at various camps organized by the institute.
- Special lectures are organized by the institute in regard to current epidemic/pandemic communicable diseases

Awareness creation regarding non-communicable diseases - cardiovascular diseases, diabetes, cancer, mental health, accident and trauma, etc.

The institute promotes lectures, workshops, symposium etc. to increase awareness amongst its faculty, students and patients regarding non-communicable diseases - cardiovascular diseases,

diabetes, cancer, mental health, accident and trauma, etc. Hands on training is provided to the entire teaching and non-teaching faculty on the subject of basic life support and emergency medicine. Display charts for patients and students are put up in all the departments depicting various non-communicable diseases with their prevention and treatment.

Awareness creation regarding the role of healthy life styles and physical exercise for promotion of health and prevention of diseases.

- The institute observes important World Health Days like Dentist day, World Health Day, No Tobacco Day, and utilizes the opportunity for interacting with the Community and increasing the health awareness. The opportunity is utilized to create awareness regarding hygiene, nutrition, healthy lifestyles and prevention of oral diseases. For example:-
 - Various aspects of oral health education and awareness are covered in a presentable manner in vernacular language, so as to be understood by the community at large. The awareness creation focuses on prevention of diseases and promotion of health through ‘Information, Education and Communication’. The institution regularly organizes tobacco control exhibition and skits plays and has been regularly celebrating World Health Day and No Tobacco Day on 31st May every year.
- The college and the campus has developed for its students sports arenas e.g. Basket ball court, Cricket ground, fully functional and equipped Gymnasium etc. The institute has incorporated sports activities as part of the college cultural programs and also promotes physical fitness and activities.

Awareness creation regarding AYUSH Systems of medicines in general and / or any system of medicine in particular.

While there is limited depth and scope concerning awareness creation regarding AYUSH Systems of medicines, there may be instances when patients enquire about the use of ayurved-based dentifrices, herbal mouthwashes and other similar products concerning oral health care. If such products are known to be safe for use, the college recommends the same contingent to patients finding relief in its usage. In fact, if patients are allergic to allopathic medicine, alternative forms of medicine (e.g., ayurvedic/herbal-based) may be prescribed.

Complementary and alternative medicine.

Yes, collaborative inter disciplinary treatment modalities are utilized for various oral diseases for example Ultrasonography and physiotherapy for OSMF patients.

The Institute promotes research in alternative medicine for prevention of dental diseases.

Yes, research has been carried out in the form of Post graduate dissertations and other Inter Disciplinary studies with herbal and alternative therapies being evaluated as treatment modalities for various oral diseases for example, curcumin, honey in post operative healing etc

Pharmaco economic evaluation in drug utilization.

Not Applicable

Participation in national programs like Family Welfare, Mother and Child Welfare, Population Control, Immunization, HIVAIDS, Blindness control, Malaria, Tuberculosis, School Health, anti tobacco campaigns, oral health care, etc.

The Institute organizes programs in the form of symposiums, rallies and workshops like World No Tobacco Day etc.

Promotion of mental health and prevention of substance abuse.

On Campus services of counselor / psychologist are made available for students and the faculty.

Adoption of population in the geographical area for total health care.

- Villages and peripheral urban areas are adopted for academic training and overall development. Students study various social and oral health determinants affecting the families, identify problem, oral health-seeking behavior and help to find solution to their social and health problems. This endeavor helps students to understand the local population & meet their needs. The social worker along with students regularly visits villages and undertake various activities such as dental health education and motivation, maintenance of oral hygiene, dietary counseling, promote the ill effects of tobacco consumption, betel nut chewing and alcoholism. They do door to door visits and enquire about the oral health problem.
 - The social workers then fix up a date for screening for the village. A team of doctors along with Post Graduates students go to the villages and undertake screening & treatment procedures. The people are then given a card which they will have to bring to the institute for specialized treatment. The patients who produce the card in the ITSCDSR are given treatment free of charge. In general, the extension services conducted by the institution cater to the needs of those individuals who are unable to visit the dental hospital owing to

constraints pertaining to finances and connectivity (transport). Adaptation of the population is done for total oral health care in association with NGOs and local organizations.

The list below is the details of our Satellite Clinics and adopted villages:

Satellite Clinics

Name	Distance	Strength Of Dental OPD	Doctor Incharge
Sanjay Nagar Hospital Ghaziabad	12 Km	40 per day	Dr Vaibhav Sarabhai (9990346001)
MMG District Hospital Ghaziabad	15 Km	50 per day	Dr Abhijeet Kashara (9451326910)
Dasna District Jail, Ghaziabad	19 Km	50-60 per visit	
ITS MOHAN NAGAR	14 km	25 per day	Dr Surbhi Chaudhary (9711097898)
Nandgram , Ghaziabad	12 km	15- 20 per day	Dr Akhil Manocha (9811904792)
Chadha Charitable Hospital, Shivalkhas	24 km	10 per day	Dr Gaurav (8192000782)

Villages

Name	Distance	Contact Details Of Helping Person	Helping Person Post
Sultanpur	7 Km	Mr Ajay Kumar (9837080451)	Gram Pradhan

Along with the adopted village and schools we undertake various camps in and around Muradnagar as given in detail.

Department of Public Health Dentistry

Date	Day	Venue	Bus Route
03.11.2016	Thursday	Idgaha Basti	Fri
05.11.2016	Saturday	Farak Nagar	Mon, Thu, Sat
08.11.2016	Tuesday	Akadha	Thu, Tue
10.11.2016	Thursday	Sarna	Fri
13.11.2016	Sunday	River Height Society	Mon, Thu, Sat
15.11.2016	Tuesday	School Camp(DPS HRIT)	-
17.11.2016	Thursday	Kakdha	Fri
18.11.2016	Friday	School Camp (Presidium Public School)	-
22.11.2016	Tuesday	Goona	Wed, Fri, Tue
24.11.2016	Thursday	Dhindar	Fri
27.11.2016	Sunday	Nandgram	Mon, Thu, Sat
29.11.2016	Tuesday	Nangla Kumba	-

BUS TIMINGS

DAY	Bus Route -1 Shiv Kumar Bus No- 9145	Bus Route-2 Vetan Bus No-9730
	Departure Time / Arrival Time 9:15 a.m -10:15 a.m 2:30 p.m	Departure Time / Arrival Time 7:30 a.m - 10:00 a.m 3:00 p.m
Monday	Faraknagar, Bhanada, Shamsherpur	Kaila Bhatta, Mohannagar, Nandgram,
Tuesday	Kalchena, Akahda, Sikri	Ratol, Khela, Khaspur, Chamrawal, Lalyana,
Wednesday	Faraknagar, Bhanada, Shamsherpur	Ratol Khela, Mubarakpur,
Thursday	Kalchena, Akahda, Sikri	Kaila Bhatta, Mohannagar, Nandgram,
Friday	Rawli, Neekpur, Milak Rawli	Ratol, Pachi, Chamrawal, Laliyana, Surana
Saturday	Faraknagar, Bhanada, Shamsherpur	Kaila Bhatta, Mohannagar, Nandgram,

Research or extension work to reach out to marginalized populations.

The institute has shown keen interest in the development of the patients belonging to the marginalized population. The institute caters to the need of the marginalized population through its community outreach activities by conducting screening camps in rural areas to create awareness regarding oral health and general sanitation amongst its residents.

3.6.12 Do the faculty members participate in community health awareness programs? If yes, give details.

Yes, the faculty of various departments participates in Community Health Awareness Programs organized by the Department of Public Health Dentistry.

3.6.13 How does the institution align itself and participate in National program for prevention and control of diseases?

As described in 3.6.11, several of the programs organized by the college address child and adult oral health issues, while others give a thrust on anti-tobacco use messages and actions; furthermore, programs organized have also highlighted the relevance of HIV and AIDS to dentistry. All of these are in alignment with some of the national programs for prevention and control of diseases.

3.7 Collaborations

3.7.1 **How has the institution's collaboration with other agencies impacted the visibility, identity and diversity of campus activities? To what extent has the institution benefitted academically and financially because of collaborations?**

The institute has collaboration with The Tuft's University, USA, Bioner Impants and The University of Murcia Spain and Leed's University, UK for various programs, in addition to the prescribed BDS and MDS programs. This has widened the scope of education beyond traditional confines of curriculum. These programs have been highlighted across various platforms, national as well as international thus enhancing the credibility and in turn visibility of the institute. Along with this, various conferences of global level such as IDA Conference, ICDS conference, ISDR conference and CDE programs have gathered attention and participation from students and faculty from across the nation and world. Also, The Centre for Advanced Research, which is amongst the pioneer research centers in any of dental college across India has unique facilities available which cater not only to students and faculty of the institute but also to many other colleges thus improving visibility of the institute to a considerable amount. Additionally, the institute is at present accredited by NAAC with 'A' grade, which in itself is a prominent visibility enhancer as the stringent assessment and rigorous judgment protocol of NAAC is based on thorough evaluation of all the aspects of an institute. The I.T.S-CDSR has been adjudged very well on all the parameters necessary for a successful composition of an institute imparting higher education. These facets have been well displayed on the institutional website also, thereby effectively augmenting the institute's visibility. Furthermore, since the primary objective of the institute is to instruct quality academic training, financial reimbursements are a matter of secondary concern to the institute. Though the latter is essential for bare minimum operations of the institute, the primary objectives of instilling educational component remains paramount in the vision and mission of the institute.

3.7.2 **Mention specific examples of how these linkages promote**

Curriculum development

- The institution's outreach programs offer students a unique service-learning experience in real life situations. These interdisciplinary programs combine faculty and students of dentistry to provide students with a well-rounded perspective on access-to-oral care issues and challenge them to re-think their roles as health care providers. It has a transformational effect on participants, and past participants have noted these experiences as a highlight in their dental school career.

To prepare and motivate students to engage issues of social responsibility and to set their own paths as responsible citizens, the institution suggest, encourage, evaluate, and facilitate the development of internal community practices, educational programs, and institutional outreach initiatives, which are built on the distinctive strength of the College in meeting these ends. As the work in these areas progresses, the college will prepare accounts of that experience that might be helpful to other institutions with similar goals and also report its deliberations and recommendations to the affiliated university and to other professional bodies as appropriate for the curriculum development.

Internship

The interns undergo routine clinical postings according to the regulations of the Affiliating University and the Dental Council of India. Some of them involve in research and show interest in other academic activities and events.

The interns participate in different CDE programs, including Oral Implantology program organized in collaboration with Bioner Implant, Murcia, Spain and aesthetic dentistry courses, which are part of the national and international collaborations. They also participate in research workshops, gaining invaluable pointers to research methodology

On – the –job-training

The collaboration of the college with the satellite centers and clinics provides opportunity for the job training of the staff with special groups like prisoners and factory workers

The college regularly organizes training programs for the staff and faculty members, Teacher Training Program is organized with emphasis on better education techniques and evidence based education implementation.

Overseas and external consultants, who visit, for example, Oral Implantology, disseminate their expertise, giving useful on-the-job training to faculty members of the college.

Faculty exchange and development

The collaboration is made between the Tufts University School of Dental Medicine, USA and the ITS-CDSR as an extension of the memorandum of understanding among the TUFTS University, the Dental Council of India and selected Indian

A number of our faculty members have obtained additional know-how and perspectives through collaborations

Research

Our collaborations with various institutions and local bodies described above have increased the scope for clinical research and population research which have contributed to various presentations and publications at national and international levels.

Publication

Local, national and academic organizations including industry and service sectors have collaborated to yield good quality research, whereby numerous publications are made in national and international journals.

Consultancy

- The institution has consultancy services at various levels as illustrated in section 3.5 the consultancy increases the depth of expertise services. They are offered up to the level of district hospitals and to various professional bodies.
- The college provides its expertise in Oral Diagnostics through CBCT Imaging and Advanced Research Lab and Oral Pathology Services at various levels.

Extension

The collaboration of the institution with various local, state and national entities as illustrated in criteria 3.6 facilitates continued extension activities:-

- A committee and a dedicated staff member plan and execute extension activities.
- The Institute regularly conducts oral health camps and public health education programs. The underprivileged sections of society and school children are benefited with this service.

Student Placement

- The institute's collaborations have enabled students and faculty to interact and develop contacts with personnel from diverse regions. This has made it possible for our students to obtain placement within and outside India, either through direct contact or through recommendation of faculty. Students have been placed in government as well as in reputed private sectors along with students with credentials working for NGO's.
- Every year the students are selected through campus placement drives where in private sector companies like Clove Dental and Innodata recruit the students after conducting interviews.

3.7.3 Has the institution signed MoUs or filed patents with institutions of national/international importance/other universities/industries/corporate houses etc.? If yes, how have they enhanced the research and development activities of the institution?

Yes, the institute has MoUs / Agreements of Co-operation signed with the following academic institutions :

The Tufts-Institute of Dental Medicine, Boston, USA .

3.7.4 Have the institution-industry interactions resulted in the establishment / creation of highly specialized laboratories / facilities?

The Center for Advanced research was established in the year for providing the state of the art facilities to the students for assistance and promotion of research in the field of oral and dental health care.

The Center for Advanced Imaging: CBCT Imaging was established in the year 2015 with a state of art CBCT machine to cater to the needs of patients and to aid in formulating correct diagnosis and thus better treatment. The Center also caters to multi disciplinary research in the form of post graduate Dissertations and other advanced research in the field of Dentistry and Oral health care. The center also caters to the need of Private practitioners and Post Graduate Students and their research from other colleges who don't have the CBCT facility.

The Centre for Oral Implantology was also established to provide the patients the best of rehabilitation treatment and promote further research in the ever growing field of Oral Implantology.

CAD – CAM Advanced Digital Lab was established to provide state of art prosthetic and aesthetic treatment options to the ever growing need of the patient.

3.7.5 Give details of the collaborative activities of the institution with the following:

Local bodies/ community

All of our dental health check-up and treatment camps are organized in association with gram panchayats, volunteers in villages, village heads ,local branches like The Lion's Club, Rotary Club, other local organizations. The local administrative bodies invite us for conducting extension activities and host our programs while we provide the required dental health service.

State government / Central government /NGOs

Today, the I.T.,S C.D.S.R has earned recognition as an institution of standing from the Extension Service Program which contributes to the improvement in the health of individuals and population in the region. The community receives free oral health education,

have their dental health problems identified and also obtain free dental treatment.

International agencies

The college has a long and rich history of partnering with international organizations in conducting academic courses, qualifying examinations and research

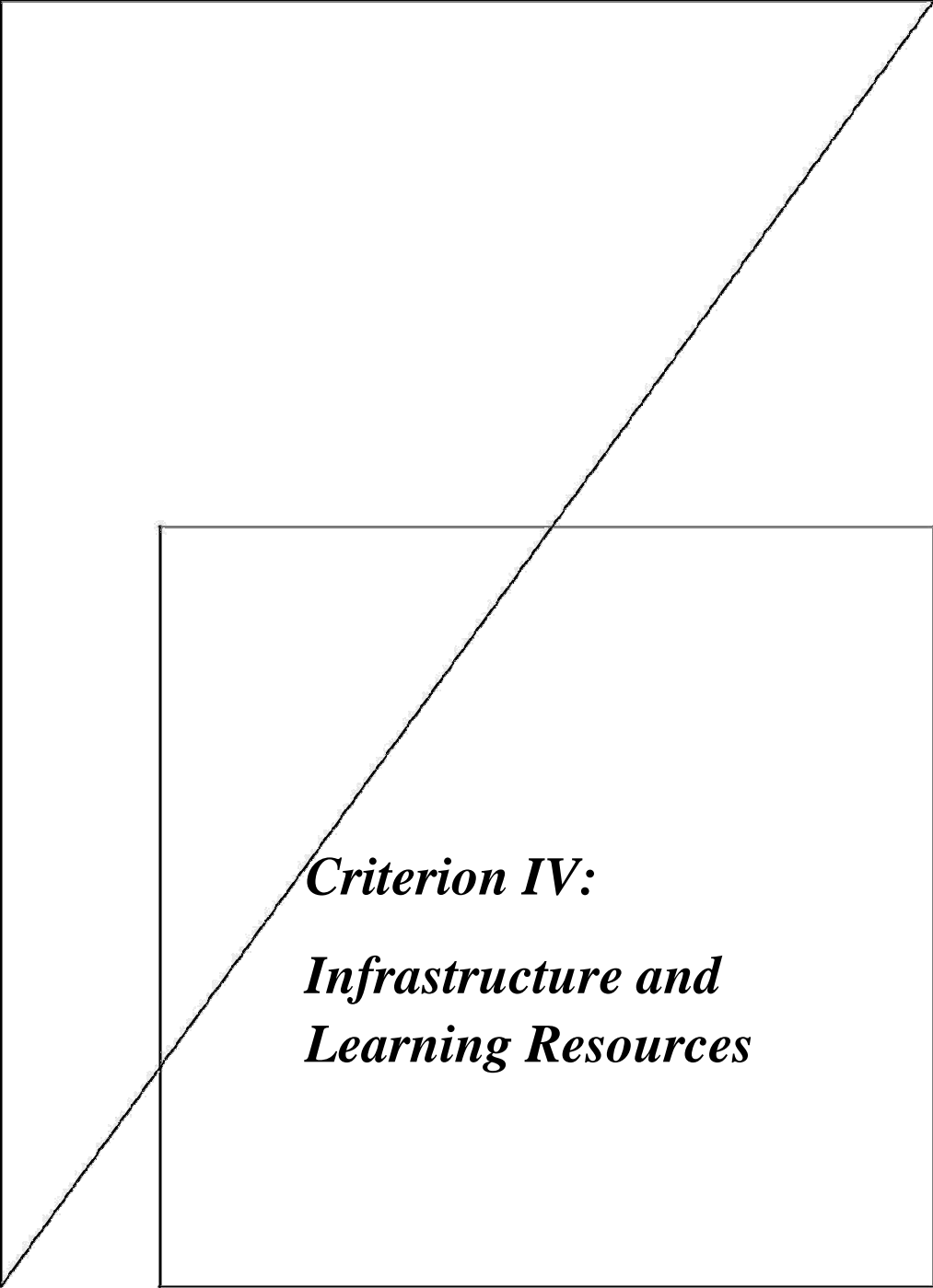
Health Care Industry – Biomedical, Pharmaceutical, Herbal, Clinical Research Organization (CRO)

The college deals with various state and government agencies at different levels, e.g., the affiliating university (CCS,MEERUT), Director of Medical Education, the Regulating body (DCI) and the Ministry of Health and Family Welfare

3.7.6 Give details of the activities of the institution under public-private partnership.

As stated in 3.5.1, the Central Government agencies have recognized the ITS DENTAL COLLEGE as a centre for treatment of their employees from the ESIC.

The College also undertakes cancer screening and anti-tobacco/gutkha drives—all of which are in line with the government policies.



Criterion IV:

***Infrastructure and
Learning Resources***

CRITERIA IV: INFRASTRUCTURE AND LEARNING RESOURCES

4.1 Physical Facilities

4.1.1 How does the institution plan and ensure adequate availability of physical infrastructure and ensure its optimal utilization?

The institutional infrastructure including academic and administrative blocks categorically consist of Library, Lecture theatres, Clinical areas, cafeterias, hostels, OPD have been planned and constructed as per the recommended regulations of the Dental Council of India. The total coverage area of the establishment is in humble excess of the stipulated area as required by the DCI. Sketches of the detailed floor plan are available on site.

Infrastructure blueprints are prepared, concurrently with a budget estimate, in consultation with members of Finance committee and purchase committee in the college and discussed with the Principal and Director P.G.-studies and Secretary of The I.T.S Education Group. The proposal is further presented in the Monthly MRM meeting headed by The Chairman and Vice Chairman of the group. Unanimous Resolutions are passed on agreements made on the development and enhancement of infrastructure. Segregation of allotted budget is done as per requirements of individual departments. The scope of infrastructure development is held on priority in all MRM meetings of the institute.

The institute adheres to time-to-time update of DCI guidelines and requirements for necessary infrastructure. Additional requirements in terms of physical expansion of institute etc are regularly achieved by renovation and modification of existing infrastructure. For instance, newer addition of Boys PG Hostel has been done in recent years along with upgradation of Equipment infrastructure in form of CAD-CAM and CBCT machinery. Also, Centre for Oral Implantology has been revamped to meet the increasing demand of specialized treatment needs. To enhance the process of rural oral health empowerment, the institute has bought into function a state of art dental ambulance, which boasts of two high-end dental chairs with advanced treatment delivery options on mobile mode.

The respective amendments made in infrastructure development are optimally utilized by students and faculty which in turn are scrutinized and evaluated critically on various parameters including consumption records, internal audit and Clinical audit.

4.1.2 Does the institution have a policy for the creation and enhancement of infrastructure in order to promote a good teaching-learning environment? If yes, mention a few recent initiatives.

Yes, the institution has a policy for the creation and enhancement of infrastructure in order to promote a good teaching-learning environment. Infrastructure is continually modified and enhanced –in

terms of space, equipment and consumables – with a view to promote a good teaching-learning environment. New departments like ECHS clinic are added and existing ones are improved with advanced diagnostic equipments like CBCT, CAD –CAM, SOFT TISSUE DIODE LASERS, focused on giving students exposure to additional and advanced aspects of the profession in terms of pre-clinical skills, clinical exposure as well as research.

4.1.3 Has the institution provided all its departments with facilities like office room, common room and separate rest rooms for women students and staff?

Yes, the institution has provided separate rooms for faculty, office rooms and common rooms. Separate rest rooms for women students and staff are available.

4.1.4 How does the institution ensures that the infrastructure facilities are barrier free for providing easy access to college and hospital for the differently-abled persons?

The institute ensures barrier free infrastructure for disabled person by providing special assistance to disabled persons from central registration counter to the respective department where the patient is scheduled to receive treatment. The institute also has ramps, wide doorways and corridors and wheelchair facilities along with elevators.

4.1.5 What special facilities are available on campus to promote students’ interest in sports and cultural events/activities?

Academic curriculum is planned in such a way that along with academic calendar year, sports and cultural events are also included. Students are encouraged to actively participate in various inter and intra college events. Note worthy events conducted in the college for promotion of cultural activities include Euphoria, Occlusion, Hostel Day Celebrations, Fresher’s event for BDS first year batch and farewell events for BDS outgoing batch. Apart from this, the students are constantly motivated to participate in events conducted by other colleges at National level. Examples include Participation of college team in Airtel Delhi Marathon, Festivals hosted by Maulana Azad Institute of Dental Sciences and other different colleges in Delhi NCR. Outdoor sports facilities available in the campus are : Courts for Volleyball, Basketball, Cricket, Throw-ball, Football. Indoor sports available in the college are: Badminton, Carom, Chess, Table Tennis facility.

Infrastructure for Co-curricular facilities: One main auditorium, Two mini auditoriums for cultural events and a fully equipped gymnasium. Indoor sports complex has been planned and approved by competent authority and the work is in progress. As on date the construction is at the level of laying of foundation and plinth.

4.1.6 What measures does the institution take to ensure campus safety and security?

An administrative officer is overall in-charge of campus safety and security, CCTV cameras, identity cards, barricades and round the clock security guards are available in all the areas for campus security.

The college has an extensive security system with round the clock security personnel deployed at gates and hostel entrances, movement register, 24- hour surveillance through CCTV cameras focused on the main entrance as well as on the main gate of all the buildings. CCTV cameras are installed at the entrance of boys and girls hostels as well as on other strategic locations throughout the campus.

For the security of staff and students, the entire college campus is surrounded by high concrete wall with barbed wires. For routine safety of students, all the visitors have to pass three levels of security check before entering the premises, i.e. at the main gate, in front of administration block and before the hostels.

Vehicular movement in and out of the campus is screened and the numbers of all the vehicles are noted. Vehicles with college sticker only are allowed to do parking inside the campus. Speed breakers are made, especially in front of hospital, OPDs and hostels to avoid accidents. Entry to outsiders after college hours is limited (eg. Only visiting family members/ acquaintances of students are allowed). Furthermore, students residing in the hostel are not allowed to go out from the campus without taking prior permission from the hostel warden in written.

Students are mandated to return back to hostel premises (before 6 pm for undergraduates and before 10 pm for the post graduates).

Entry to the departments after college hours is also restricted i.e. only limited personnel (e.g. postgraduate students and faculty members of the respective departments) are given access following documented sign-in and sign- out with respect to possession of the department keys. Fire extinguishers are installed at all the prominent areas including those at particularly higher risk. The campus is equipped with adequate fire fighting measures which are inspected at periodic intervals. Regular fires fighting training and mock drills are conducted to prepare for emergencies.

There is a separate section for monitoring electrical equipments which are controlled by Earth leakage circuit breaker and Miniature circuit breaker so that no short circuit takes place as a trigger for fire outbreak. The section head of security organizes regular meetings and security briefings usually once in a month.

In addition, for smooth functioning of the institute there is an anti-ragging committee, women cell and grievance cell.

4.1.7 Facility of animal house

**Is animal house maintained as per CPCSEA guidelines?
Whether records of animal house are maintained for learning
and research activities?**

**Does the animal house have approval for breeding and selling
experimental animals as per CPCSEA guidelines?**

- Not Applicable

4.1.8 Provide the following details on the use of laboratories / museums as learning resources:

Number:

- 10 Laboratories. 3 Museums.

Maintenance and up-gradation:

- Laboratories are maintained and upgraded as per the DCI requirements.

**Descriptive catalogues in
museums:** ○ Available.

Usage of the above by the UG/PG students:

- As per timetable UGs/PGs visit and utilize the above stated facilities. Proper timetables of labs are available with HOD, department, and lab in-charge.

4.1.9 Dental chairs in clinic – specialty wise

Department	No. of dental chairs
Conservative	60
Oral medicine and Radiology	33
Oral surgery	51
Orthodontics	41
Community dentistry	31
Pediatric dentistry	43
Periodontics	57
Prosthodontics	55
Implant Centre	02
Total	369

Total dental chairs:

- 369

Schedule of chair side teaching in clinics –

- As per the University syllabus and the DCI norms.

Mobile dental care unit:

- 3

Facilities for dental and maxillofacial procedures:

- Maxillofacial trauma
- Biopsy
- Treatment of various pathologies
- Soft tissue injuries
- Cleft lip and cleft palate surgeries
- Cancer surgeries for head and neck region
- Orthognathic surgeries
- Procedures for distraction osteogenesis
- TMJ surgeries
- Dental Implants

Dental laboratories:

- Present in each dental and medical department

4.1.10 Pharmacy

Not Applicable

4.1.11 Yoga and naturopathy

Yoga trainer is available at the Gym separately for boys and girls

4.1.12 Homeopathy

Not Applicable

4.1.13 Nursing

Not Applicable

4.1.14 Ayurveda

Not Applicable

4.1.15 Does the institution have the following facilities? If so, indicate its special features, if any.

Meditation hall

- Yes. The institute has a 65×35 feet Activity hall for meditation. There is a separate Gym for boys and girls.

Naturopathy blocks

- Not Applicable

4.1.16 Provide the details of sophisticated equipments procured during the last 4 years.

**LIST OF SOPHISTICATED EQUIPMENTS PROCURED DURING
LAST 04 YEARS (2012-16)**

S. No	Date	Name	Qty.	Rate(Rs.)	Bill date
1	14.07.2016	Micro-scope Deca head (Olympus)	1	10,39,500.00	14.07.2016
2	22.10.2016	CAD - CAM	1	63,30,000.00	24.09.2016
3	17.03.2015	Cone Beam Computed Tomography 3D (NewtomGiano)	1	4,500,000.00	15.03.2015
4	18.04.2015	OPG X-ray Machine (Kodak)	1	1,340,000.00	15.04.2015
5	11.10.2012	Vista-Scan (Digora: Darr)	1	362,250.00	09.10.2012
6	28.05.2014	Vista-Scan (Digora: Darr)	1	362,250.00	26.05.2014
7	11.12.2013	Dolphin Imaging System	1	341,250.00	05.12.2013
8	09.12.2013	Cercon Eye Scanner with Personal Computer	1	250,000.00	7.10.2013
9	09.12.2016	Dental laser UNIT SW	1	177,999.85	09.12.2016
16	15.04.2014	Physio-Dispenser (Fibre Optic)	1	160,844.00	13.04.2014
11	11.02.2016	RVG	1	160,000.00	09.12.2013
12	31.10.2012	RVG	1	155,000.00	29.10.2012
13	30.11.2013	RVG Machine (Kiran)	1	155,000.00	28.11.2013
14	23.05.2015	OPG Image Printer (Konica)	1	150,000.00	21.05.2015
10	29.02.2015	Left handed chairs	8	72,603.00	02.03.2016
15	04.09.2013	Sonicfill Kit	1	65,000.00	2.09.2015
17	04.06.2013	Agar Duplicator	1	58,632.00	1.06.2013
18	18.09.2015	Vaccum Mixer		52,000.00	16.02.2014
19	04.09.2013	Endovac irrigation systems	1	50,000.00	01.09.2013
20	31.07.2013	Penta-Mix II	1	48,600.00	30.07.2013
21	13.05.2013	Wax Pot with Electrical Carver	1	16,000.00	10.05.2013

4.2 Clinical Learning Resources

4.2.1 Teaching Hospital

Year of establishment

The Hospital was established in the year 2003.

Hospital Institution distance

The Hospital is located inside the campus being an integral part of the institute.

Whether owned by the college or affiliated to any other institution?

The Hospital is wholly owned by the college and renders supportive function to allied health institutes of the campus premises.

Are the teaching hospitals and laboratories accredited by NABH, NABL or any other national or international accrediting agency?

Yes, they are accredited by Bureau of India standard (IS/ISO 9001:2008).

Number of Beds

There are total of 100 beds in hospital which provide quality indoor patient care in prominent specialty treatment.

Number of Specialty services There

are 9 major specialty services.

Number of Super specialty services

There is 1 super specialty service in the hospital.

Number of beds in ICU/CCU/PICU/NICU, etc

- ICU- 6
- ICCU – 6
- PICU – 4
- NICU – 5

Number of Operation theatres

There are 3 state of the art operation theaters in the hospital.

Number of Diagnostic Service Department

There are 3 diagnostic service departments in the hospital.

Clinical Laboratories

There is one fully equipped clinical laboratory for an array of tests and diagnostic procedures.

Service areas viz. Laundry, Kitchen, CSSD, Backup power supply, AC plant, Manifold rooms, Pharmacy services

The institute campus is equipped with in house Laundry, Kitchen services. There is round the clock power back up supply and in campus 24 hour pharmacy store.

Blood bank service

The college has blood bank service in association with Rotary Blood Bank, Ghaziabad U.P.

Ambulance Service

The college has dedicated ambulance service for emergency cases and patient transport.

Hospital Pharmacy service

The Hospital provides medicines at highly competitive rates at its own pharmacy counter for indoor and outdoor patients.

Drug poison information service

The institute follows Toxicology guidelines laid down by All India Institute of Medical Sciences, New Delhi.

Pharmacovigilance

Any untoward incidents of adverse drug reactions are reported to Lady Harding Medical College, New Delhi and Pharmacovigilance cell board Meerut.

Mortuary, Cold Storage facility

There are 3 body chambers in cold storage facility of hospital for teaching and training purposes.

Does the teaching hospital display services provided free of cost?

Yes, the free and subsidized treatments are displayed at prominent places in the hospital in easy to understand format for better understanding of patients.

What is the mechanism of effective redressal of complaints made by patients?

A dedicated Staff is appointed to address concerns and complaints raised by patients. The complaints are further escalated to head of the institute, if unresolved. For ease of complaint access, mobile numbers of grievance redressal team are displayed outside every department to ensure effective complaint resolution measures.

Give four year statistics of inpatient and outpatient service provided

	Surya Hospital	Dental Hospital	
Year	No. of Patients	New	Old
2012	26587	78876	123239
2013	27070	83410	138983
2014	23106	65586	130717
2015	26238	57815	132875
2016	23308	52224	137757

Does the hospital display charges levied for the paid service?

Yes, the charges for routine treatments are displayed at defined areas in the hospital premises.

Are the names of faculty and their field of specialization displayed prominently in the hospital?

Yes, the names, designation and areas of specialization are displayed on sign boards in each department. The same are uploaded on the hospital website for ease of information access.

Is pictorial representation of the various areas of the hospital displayed in manner to be understood by illiterate patients?

Yes, the pictorial representations are displayed accordingly. Additionally, in selected departments, LCD screens are mounted to help understand illiterate patients regarding the department type. Also, some departments, for example, Pediatrics, is Theme based on likes of environs readily accepted by children, hence more informative to illiterate patients. Also the department of gynecology and obstetrics has pictorial representation.

Is there a prominent display of ante-natal, mother and child health care facilities?

Yes, the required facilities are displayed prominently in well designated areas of hospital campus.

How does the hospital ensure dissemination of factual information regarding rights, responsibilities and the health care costs to patients and the relatives/attendants?

The staff in-charge and asst. medical superintendent verbally counsel the patients enlightening them about their rights and health care costs. To effectively reinforce this practice, posters are displayed at various locations, educational films running on LCD's

and appropriate literature distributed amongst patients and their attendants.

How does the hospital ensure that proper informed consent is obtained?

A standard consent form is formulated and written consent is taken from every patient before proceeding to any treatment. The contents of the form are in English as well as Hindi language and explained to the patient verbally before obtaining signatures.

Does the hospital have well defined policies for prevention of Hospital acquired infections?

Yes, the policies for prevention of noso-comial infections are put into practice in letter and spirit. Stringent Sterilization and disinfection of the entire hospital building is done apart from routine fumigation. All the medically generated waste is systematically disposed off as per environmental agencies guidelines. Furthermore, the hospital and allied staff are issued mandatory instructions to get immunized for prevention of any Hospital acquired infections. The immunization drive is held every year.

Does the hospital have good clinical practice guidelines and standard operating procedures?

Yes, the good clinical practices are effectively followed in the hospital functioning. Also, Standard operating Procedures (SOP'S) for Sterilization and disinfection, Bio medical waste management, Sample collection, and Biomaterial transport are put in place. The monitoring of these procedures is consistently evaluated by Head of Departments.

Does the hospital have effective systems for disposal of bio-hazardous waste?

Yes, the college has tie-up with Synergy Bio Waste Management Firm, Rohini, New Delhi for effective managements of waste generated on daily basis in hospital. Color coded bags are provided at every workstation and the waste is collected on daily basis which is subsequently collected at central facility.

How does the hospital ensure the safety of patients, students, doctors and other health care workers especially in emergency department, critical care unit and operation theaters? Are the safety measures displayed in the relevant areas?

Yes, the safety measures are adopted and in relevant areas of operation and adequately displayed.

How are the casualty services/accident and emergency services organized and effectively managed?

A casualty medical officer is made available on 24 X 7 basis to attend emergency cases. An oral surgeon in addition is kept on duty to provide support in cases of maxillofacial trauma. The patients are managed following international guidelines of Triage. All the allied health staff and pharmacists are available 24 hours to deal with emergency cases.

Whether the hospital provides patient friendly help-desks at various places

Yes, there are patient friendly help-desks at reception areas as well as OPD counters. The front desk staff is designated with 'May I Help You' badges to make them more accessible to first time as well as existing patients. Also, help desk of empanelled facilities such as ECHS are provided at entry reception to make patients comfortable and endow with all necessary information of ease of treatment delivery.

Does the hospital have medical insurance desk?

No, the college does not have medical insurance desk per se, but patients empanelled with third party agencies are offered help at the front desk.

What are the other measures taken to make the hospital patient friendly?

The staffs as well as doctors are familiarized with soft skills of patient management. Information relating to treatments is adequately displayed via posters, literature and LCD's at prominent places. The doctors are instructed to personally escort patients in debilitated conditions after completion of treatment and offer an unconditional help in case they need any further assistance.

How does the hospital achieve continuous quality improvement in patient care and safety?

The hospital is periodically inspected by BIS / ISO to ensure quality standard maintenance. Also, Regular Internal and Clinical Audits are conducted by members of respective committees where quality healthcare delivery is inspected and records maintained. For instance, a monthly report on effective sterilization is maintained by each department which in turn is inspected by department of microbiology of the teaching hospital.

What are measures taken available for collecting feedback information from patients and for remedial actions based on such information?

Feedback collection forms and drop boxes are made available to patients. Morning and evening rounds by concerned staff in charge are conducted regularly to report any issue of patient grievance and quick resolution. The feedback is further escalated to hospital management authorities and discussed with respective head of department to improve the existing mechanism of patient management. This institute strives to excel in patient satisfaction by improving the patient feedback process.

How does the institution ensure uniformity in treatment administered by the therapists?

The therapists follow Standard Operating Procedures as laid down by the hospital code of conduct. Every patient is made aware of the treatment to be given and a written informed consent is obtained. Duration, cost and prognosis of the treatment too are explained to every patient. Although the nature of treatment would vary depending upon specialty involved, yet an overall uniformity is maintained by every treating doctor in terms of patient care, empathy and post operative counseling.

Does the institution conduct any orientation program for AYUSH-based para medical staff?

Yes, the institute conducts regular seminars for nurses and other paramedical staff. Seminar on Advanced Trauma Life Support (ATLS) is a recent example of this.

4.3 Library as a Learning Resource

4.3.1 Does the library have a Library Advisory Committee? What are its major responsibilities?

Yes, The library advisory committee, which is a part of the Internal Quality Assurance Cell is constituted of the following members:

- Dr. Sanjeev Saxena
- Dr. Manisha Lakhanpal
- Dr. Saurabh Juneja (Library coordinator)
- Mr. Sanjeev Kumar (Librarian)

The major responsibility of this committee is to improve the services offered by the library in terms of:

- Library infrastructure
- Library rules and regulations
- Acquisition of library resources
- Easy and quick response in terms of access to studying material

4.3.2 Provide details of the following:

Total Carpet area of Central Library	5076.2 sq. ft. (471.59 sq. metres)
Total Seating Capacity	200
Working hours:	
On working days	13 hrs 30 min (8:30 a.m. to 10:00 p.m.)
On holidays	09 hrs (9:00 am to 6:00 p.m.)
Before Examination days	13 hrs 30 min (8:30 a.m. to 10:00 p.m.)
During examinations	13 hrs 30 min (8:30 a.m. to 10:00 p.m.)
During vacations	13 hrs 30 min (8:30 a.m. to 10:00 p.m.)

(It is compulsory for all undergraduate students to visit library for a minimum period of 3 hrs 30 minutes every week as per schedule notified by the Principal Office).

Layout of the library:

The central library includes well defined Undergraduate and Postgraduate areas, Faculty lounge, Journal section, Reference section, Online OPAC search counter, Internet browsing centre, Circulation counter and Photocopy section (layout available on site).

Individual reading carrels:

Yes, individual reading carrels for 200 students are available with cushioned chairs and a quiet environment essential for focused study.

Lounge area for browsing and relaxed reading:

Yes, a lounge area for browsing and relaxed reading is available in the central library.

IT zone for accessing e-resources:

Yes, IT zone for accessing e resources is available as part of central library. 8 terminals with broadband internet speed of 20 Mbps and Wi-Fi facility are readily available in the library. Students can also connect their laptops to browse and search the study material. The library also has printer with scanning installed for easy documentation of required resources. The library is equipped with electronic OPAC system with a touch screen computer system for easy access to the resources with book map for every user.

Clear and prominent display of floor plan; adequate sign boards; fire alarm; access to differently able users and mode of access to collection.

- Clear and prominent display of floor plan: Yes
- Adequate sign boards: Yes
- Fire alarm: Yes

Access to differently able users

and mode of access to collection: Yes. (There is an elevator available to allow access to differently abled users to the library.)

List of library staff with qualification

S. No	Name of Library Staff	Designation	Qualifications	Experience
1.	Mr. Sanjeev Kumar	Librarian	B.Sc., M.A., B.Lib.I.Sc, M.Lib. I.Sc, CCCB	12 years
2.	Mr. Arvind Kumar	Assistant Librarian	B.Com. B.Lib, M.Lib. I.Sc M.Phil	07 years
3.	Mr. Rajeev Sharma	Library Assistant	B.Com, B. Lib	04 years
4.	Ms. Sonika Sharma	Library Assistant	M.A, B. Lib, M.Lib	05 years
5.	Mr. Satpal	Library Attendant	12 th Pass	03 years

4.3.3 Give details of library holdings:

Print books:

- Books: **9238**
- Back volumes: **1842**

Theses:

- Dissertations- **335**
- Library dissertations- **337**
- Thesis Protocol- **435**

Journals:

- Total: **71**
- International - **48** ,
- National - **23**

Average number of books added during last three years- 215 per year

Books and journals added in last three years:

Year	Books
2013-14	368
2014-15	234
2015-16	143

234 books have been added in current year (2016) till date.

- Non print (Microfiche, AV)- **689**

Electronic –

- E-books- **83**
- E-journals- **451**

Special collections (e.g. text books, reference books, standards, patents)-

Text books	Reference books
7077	2161

Book bank-There is no designated book bank per se, and all the book collections are integrated into the book bank.

Question bank – Yes. Question bank is available from 2001 onwards.

4.3.4 To what extent is ICT deployed in the library? Give details with regard to

Library automation:

Yes. The library is fully automated. The library uses ALICE for Windows which is a fully functional software for automation. It is used for various housekeeping operations such as acquisition, cataloguing, serial control and circulation which are entirely automated. The software allows for easy searching of books according to author, year, title, subject and displays shelf wise arrangement of the books from a self operated touch screen terminal installed.

- Total number of computers for general access: **04**
- Total numbers of printers for general access: **01**
- Internet band width speed – **20 mbps**
- Institutional Repository: **Yes**

Content management system for e-learning Participation in resource sharing networks/consortia (like INFLIBNET): Yes, the institution's learning resource centre has library DELNET membership. This is used as a means of resource sharing with other libraries all over the country. All students and faculty can access online journals and other e-books which is made available by DELNET. Med-line, Proquest and EBSCO journals also can be accessed through this facility.

4.3.5 Give details of specialized services provided by the library with regard to

Manuscripts: The institution provides manuscript assistance with help of experienced faculty members who are also part of the college journal committee. The support is extended to all faculty members, post graduate and under graduate students in terms of Manuscript compilation, Grammar assistance, Plagiarism check and Bibliographic assistance.

Reference: Yes. Reference books of approximately 2161 in number are available for all users.

Reprography / scanning: Yes, the library provides facility of scanning for all users.

Inter-library Loan Service: Yes, the library has interlibrary loan service for books and journal articles with a number of libraries through access to DELNET database. Interlibrary loan requests can be registered online for books. For resources not available in union catalogue, request can also be sent through e-mail.

Information Deployment and Notification: Yes, the OPAC system has an option to view the new arrivals in library. The faculties are notified via e-mail and sent out circulars department wise to spread news of new arrivals. The senior faculty members are requested to submit reviews of latest acquisitions for procurement of multiple copies so that students can make best use of the facility. Other information services such as Current Awareness Services (CAS) and Selective Dissemination of Information (SDI) are provided by the library to its users. All users are informed through e mail regarding overdue books, fine and new article inputs.

OPACS: Yes, the Library ensures access of library material through the availability of the —Online Publication Access Catalog (OPAC) system. The library has recently introduced user friendly OPAC system accessible to all users through a touch screen computer installed at the library entrance which allows for easy access to all relevant databases. Users can search their respective documents through Author, Title, Accession number, Subjects and Publishers etc. Access is also ensured through display of new acquisitions in the library's recent releases, display shelf, with exhibition of notices on the library announcement board.

Internet Access: Yes, internet browsing is available throughout the working hours and is used extensively by staff, students and faculty. A broadband facility with 8 terminals and a speed of 20 Mbps along with Wi-Fi internet browsing facility is also available.

Downloads: Yes, downloading facility is available to users.

Printouts: Print-out facility is available in all the computers to users.

Reading list / Bibliography compilation: Yes, bibliographic compilation of books is available.

In-house/remote access to e-resources: Yes, in-house access is available to e-resources within the campus. Users can access the resources through ADC dental.

User Orientation: Yes, the users are oriented about the type of resources and database available in the library at the time of admission. Users of the library are also educated on using the OPAC System, accessing online journals and information, journal search. Additionally, they are also assisted in manual access of print issues of journals and books. All users are updated about the new arrivals, new issues and titles regularly. Other information services such as Current Awareness Services (CAS) and Selective Dissemination of Information (SDI) are provided by the library to its users.

Assistance in searching Databases: Yes, the users of library are assisted in using the OPAC System, accessing online journals and information, journal search.

INFLIBNET/HELINET: Yes, the institution's learning resource centre has library DELNET membership.

4.3.6 Provide details of the annual library budget and the amount spent for purchasing new books and journals.

Year	Books		Journals	
	Budgeted In Lacs.	Actual Expenditure	Budgeted In Lacs	Actual Expenditure
2012-2013	5.00	3,91,641.00	20.00	14,93,406.00
2013-2014	5.00	4,95,454.00	20.00	20,43,154.00
2014-2015	5.00	3,53,882.00	20.00	18,38,168.00
2015-2016	5.00	1,70,713.00	20.00	18,35,772.00
2016-2017 (proposed budget)	5.00	3,58,178.00	20.00	16,85,604.00

4.3.7 What are the strategies used by the library to collect feedback from its users? How is the feedback analyzed and used for the improvement of the library services?

Electronic feedback service for student/users is available in library. The users can provide their feedback in the feedback system which allows complete anonymity to the users. It also permits easy and quick resolution of user's grievances at various levels.

4.3.8 List the efforts made towards the infrastructural development of the library during the last four years.

There are various infrastructural developments which have been undertaken in the last four year, namely:

The seating area has been rearranged with more user friendly and comfortable environment for reading.

Rack-wise and shelf-wise mapping of all the books in the library has been done to allow easy searching and location of the books.

New arrival display rack has been installed at the entrance.

Biometric attendance system has been installed to register and monitor user entry and exit.

The library has upgraded internet connection to 20 Mbps speed. Closed circuit cameras have been installed to monitor daily activity of the library.

Electronic feedback system has been installed for interactive user feedback regarding the functioning of library.

A separate help desk for students with online OPAC system is put in place to allow easy access and search the titles in the database.

4.4 IT Infrastructure

4.4.1 Does the institution have a comprehensive IT policy with regard to:

- **IT Service Management :** Yes
- **Information Security :** Yes
- **Network Security :** Yes

The institute IT network is secured by —Proxy Server which filters unwanted content over the wireless as well as wired network. This is also used to limit usage of certain websites as per the college policies. All the users are required to put the proxy server IP address and specific passwords which also helps in identifying the misuse of the server, if any.

- **Risk Management :** Yes
Following network risks are prevented by the proxy server:
Unauthorized
downloads ○ Hackings and
Phishing ○ Viruses
○ Malware
- **Software Asset Management :** Yes
Legal software usage for the operating system on all the computers is practiced as part of the standard IT policy of the institute.
Open Source Resources:
College has —ORION software which is based upon the concept of open source and can be edited as per the individual department need for effective patient management.
- **Green Computing :** Yes
For energy savings, following policies are implemented:
 - Most of the CRT monitors are replaced with the LCD's.
 - AMC (by Uni-line Energy System and 3eM) for the maintenance and refurbishment of the existing systems and components is done periodically.
Refilling of the printers cartridges is done.
Systems are adjusted on automated sleep mode after 15 minutes of idle usage.
Turning off the systems when not in use to prevent energy overconsumption.

4.4.2 How does the institution maintain and update the following services?

Hospital Management Information System (HMIS)

All the data of the patients in the Dental Hospital is managed through —ORION Software. It is a highly advanced software which manages entire set of data ranging from registration to the recall appointments of the patients. Each treatment card is barcode enabled along with feeding of their demographic data at the central registration counter.

Patients in the General hospital (Surya Hospital) are managed through —ETHER Software. This software manages the patient registrations, OPD and IPD admissions. Billing and Lab requests are also generated through the same software.

Electronic Medical Records System (EMR)

ORION Software - Proper detailed case history, examination readings and diagnostic records are added to the e-card of the patient by all the individual departments. This also aids in the easy referral to different departments for the e-consultations and eases interdepartmental communication process.

ETHER Software – This software has the provision to maintain all kinds of medical records.

Diagnostic and imaging systems including PACS

The Dental College has the latest diagnostic system —**CBCT – Cone beam computed tomography** which is used by all the departments in diagnosing typical cases by visualizing scans in digital 3D layout and is integrated with patient Data base system —Orion.

“Dolphin Software” which is a highly advanced software used for the treatment planning of various types of cases including orthodontic and surgical cases.

“Magnus PRO” by Olympus is used for the image and morphometric analysis.

In addition to the above the General Hospital has following diagnostic systems:

- **“Ultrasound”**
- **“Digital X-ray”**

4.4.3 Give details of the institution’s computing facilities i.e., hardware and software.

- Number of systems with individual configurations- **184**
- Computer-student ratio- **1:3**
- Dedicated computing facilities- **Yes**
- LAN facility- **Yes**
 - 20 mbps
- Wi-Fi facility- **Yes**
 - 20 mbps
- Proprietary software- **Yes**
- Number of nodes/ computers with internet facility- **184**

4.4.4 What are the institutional plans and strategies for deploying and upgrading the IT infrastructure and associated facilities?

The institute offers round the clock high speed Internet connectivity throughout the campus via its scalable high end optical fiber and highly secured Wi-Fi network encompassing Boys and Girls hostels, Cafeteria, Central Library, Auditorium and Seminar halls.

The institute has a well-targeted, strategic approach to meet both current and future needs of the evolving education system. Upgrading

the IT infrastructure regularly is top priority of the institute. By continuously upgrading the systems and infrastructure the institute intends to build faster and better internet availability to the faculty as well as students, which is expected to result in enhanced web based knowledge sharing.

4.4.5 Give details on access to on-line teaching and learning resources and other knowledge and information database/packages provided to the staff and students for quality teaching-learning and research.

Learning Resource Material (LRM) is available to students. ADC Dental provides access to national and international journals for analysis by faculty and students. Students and faculty can access all the journals from anywhere within the campus.

On regular basis, the Students and faculty are updated with the current development and changes in the concerned field. Printed articles regarding the latest research are made available via emails from the Central library.

4.4.6 What are the new technologies deployed by the institution in enhancing student learning and evaluation during the last four years and how do they meet new / future challenges?

All the lecture halls are well equipped with the Audio Visual Aids and are ICT - Enabled. To make the teaching learning process more effective, specific classrooms are sanctioned with technologically advanced —Smart Boards. These boards yet again act as a vital tool in making the class room teaching delivery more effective. The institute has two Browsing Centers, where students can access online journals and books along with getting access to upcoming lecture presentations beforehand.

To encounter future challenges in the field of dentistry, the college has bought into action, —**CBCT – Cone beam computed tomography** which is used in diagnosing typical cases by visualizing in a digital 3D format.

To keep abreast with latest treatment modalities, the college has introduced “**Surgical microscope**” which assists the clinician to render treatments which are otherwise complex to perform with naked eyes.

The college has also setup the “**CAD-CAM**” system, to improve design and development of dental restorations, especially Dental Prostheses, Crowns, Veneers, Inlays and Onlays, Fixed Bridges and Dental Implants.

- The college has **Deca-headed microscope** (Teaching microscopes), which facilitates multiple people to view a specimen simultaneously. These microscopes are perfect for developing an interactive teaching environment.
- To make the treatment planning simpler for students, the college has devised “**Dolphin Software**”, which is used for

planning and simulating the treatment outcomes in difficult cases including specialties of Orthodontics and Oral Surgery. Special —**Implant Operatory**” is equipped with the state of the art Dental Implant placement systems, which allows the student to learn the latest techniques in a holistic manner.

4.4.7 What are the IT facilities available to individual teachers for effective teaching and quality research?

College campus is Wi-Fi enabled and stakeholders can access internet from anywhere in the campus. All the lectures halls and Seminar rooms in the departments are well equipped with computers and projectors for various scientific activities. To make the teaching learning process more effective, some classrooms are empowered with the technologically advanced —Smart Boards. These smart boards serve as a vital tool in making the class room delivery more effective and the faculty members also endorse using this tool, as it offers a great flexibility in terms of managing multiple boards on single boards using computers. Visualizers are also available in selected classrooms and tutorial rooms. Individual laptops are given to head of departments to aid in preparing the teaching learning material effectively.

4.4.8 Give details of ICT-enabled classrooms/learning spaces available within the institution. How are they utilized for enhancing the quality of teaching and learning?

4 Lecture theatres, 3 Demonstration Rooms and 9 PG Seminar rooms are ICT enabled with Internet cabling and Wi-Fi connectivity for education purposes. Individual laptops are given to all Head of the Departments. Every department has a separate computer system for enhancing the quality of teaching.

4.4.9 How are the faculty assisted in preparing computer-aided teaching-learning materials? What are the facilities available in the institution for such initiatives?

Individual personal computers and laptops are given to selected teachers and each department has a designated computer system with an assistant to aid in preparing the teaching learning material. Digital library is also functional at departmental level to prepare computer-aided teaching-learning materials.

4.4.10 Does the institution have annual maintenance contract for the computers and its accessories?

The institution has 2 well equipped Computer centers in the campus where trained computer professionals continuously monitor all the computer systems and overlooking maintenance on regular basis. There is a dedicated online complaint management system through which digital tribulations are taken care of by the trained computer professionals. This minimizes time wastage and results in an enhanced,

on time performance of IT equipment as compared to annual maintenance contract.

4.4.11 Does the institution avail of the National Knowledge Network (NKN) connectivity? If so, what are the services availed of?

While the college does not avail the services of National Knowledge Network at present, it does avail resource sharing network such as DELNET and cloud computing where all national journals are available.

4.4.12 Does the institution avail of web resources such as Wikipedia, dictionary and other education enhancing resources? What are its policies in this regard?

College has an annual subscription of “EBSCO” data base and “Delnet” Digital Library Resource, for enhancing the education level of its constituent departments along with the use of Wikipedia. With the help of these data based resources, students and faculty members get latest articles and research literature in the field of dentistry. College policies in this regard are mentioned in 4.4.1.

4.4.13 Provide details on the provision made in the annual budget for the update, deployment and maintenance of computers in the institution.

Year	Annual budget for the update and maintenance of computers (In Lacs)	Actual Expenses for the update and maintenance of computers (In Lacs)
1 st April 2012 – 30 th March 2013	10.00	7,67,533.00
1 st April 2013 – 30 th March 2014	35.00	30,10,115.00
1 st April 2014 – 30 th March 2015	30.00	26,28,522.00
1 st April 2015 – 30 th March 2016 (Provisional)	15.00	14,54,578.00
1 st April 2016 - till date	10.00	52,193.00

4.4.14 What plans have been envisioned for the transfer of teaching and learning from closed institution information network to open environment?

The Learning Resource Material (LRMs) are available in the library for access by students. All the departments are instructed to provide MS Power point presentations to students for easy referral. Presentations are accessible to the students at the IT library and are also provided via email to the students.

4.5 Maintenance of Campus Facilities

4.5.1 Does the institution have an estate office/designated officer for overseeing the maintenance of buildings, class-rooms and laboratories? If yes, mention a few campus specific initiatives undertaken to improve the physical ambience.

Yes, the institution has an Estate Office/Designated officers for overseeing the maintenance, renovation and construction of buildings, class rooms and laboratories.

Some of the initiatives undertaken to improve the physical ambience are listed as:

In the year 2015, a new modernized auditorium (named after eminent astronaut Kalpana Chawla) was constructed in the clinical block with a seating capacity of 240.

Recently, interiors of Surya Hospital have been revamped which inclusion of new vitrified tiles, aluminum partitions and latest beds.

Post graduate clinics in the Department of Pedodontics have been renovated, with vitrified floors and individual patient cubicles have been theme designed to favor the environs to likeability of child patients.

Library has also been given a face-lift lately by modifying its floors and interiors. Seating arrangement has been changed with new furniture acquisition, with fragmented partitions to avoid distraction while focused reading.

For the convenience of patients, all toilets of old OPD block have been renovated. In addition, to maintain better hygiene, toilets of girl's (old & new) hostels are also refurbished.

Complete relaying of roads from main gate to the hostels has recently been done for dust free vehicular movement.

With a vision of establishing an international sports complex, the institution has started the construction of a new play ground which is at grouting level currently.

Periodic painting, distemper and polishing of the buildings, fixtures and furniture is done in planned manner for keeping the institute's premises neat and clean.

Anti-termite and anti-rodent measures are taken regularly for effective sanitization.

Disposal of bio-medical wastes, environmental wastes, kitchen wastes, laboratory waste, liquid waste etc is done in appropriate manner by designated personnel and relevant agencies.

Promoting tree plantation is as an integral part of conserving the environment. The institution celebrates world environment day every year by planting saplings and contributing towards enhancement of green belt in and around the campus.

4.5.2 How are the infrastructure facilities, services and equipments maintained? Give details.

The institution has assigned specific teams for sanitation work, electric work, civil work, plumbing services to maintain the existing facilities. To monitor all these teams, there is a separate supervisor for Dental College, Surya Hospital and Residential complex (Faculty residences & UG/PG hostels). All these supervisors report to the maintenance officer who then in turn reports to the administrator.

To channelize the work properly, the institution has an online complaint management system (Almighty help desk system), in which a complaint can be lodged and it automatically reaches the concerned person for resolution within seven days of limited time frame. If the concerned person does not address the problem within the stipulated period of time, then the complainant can reopen the complaint, where it shall automatically be redirected to higher authorities for appropriate action.

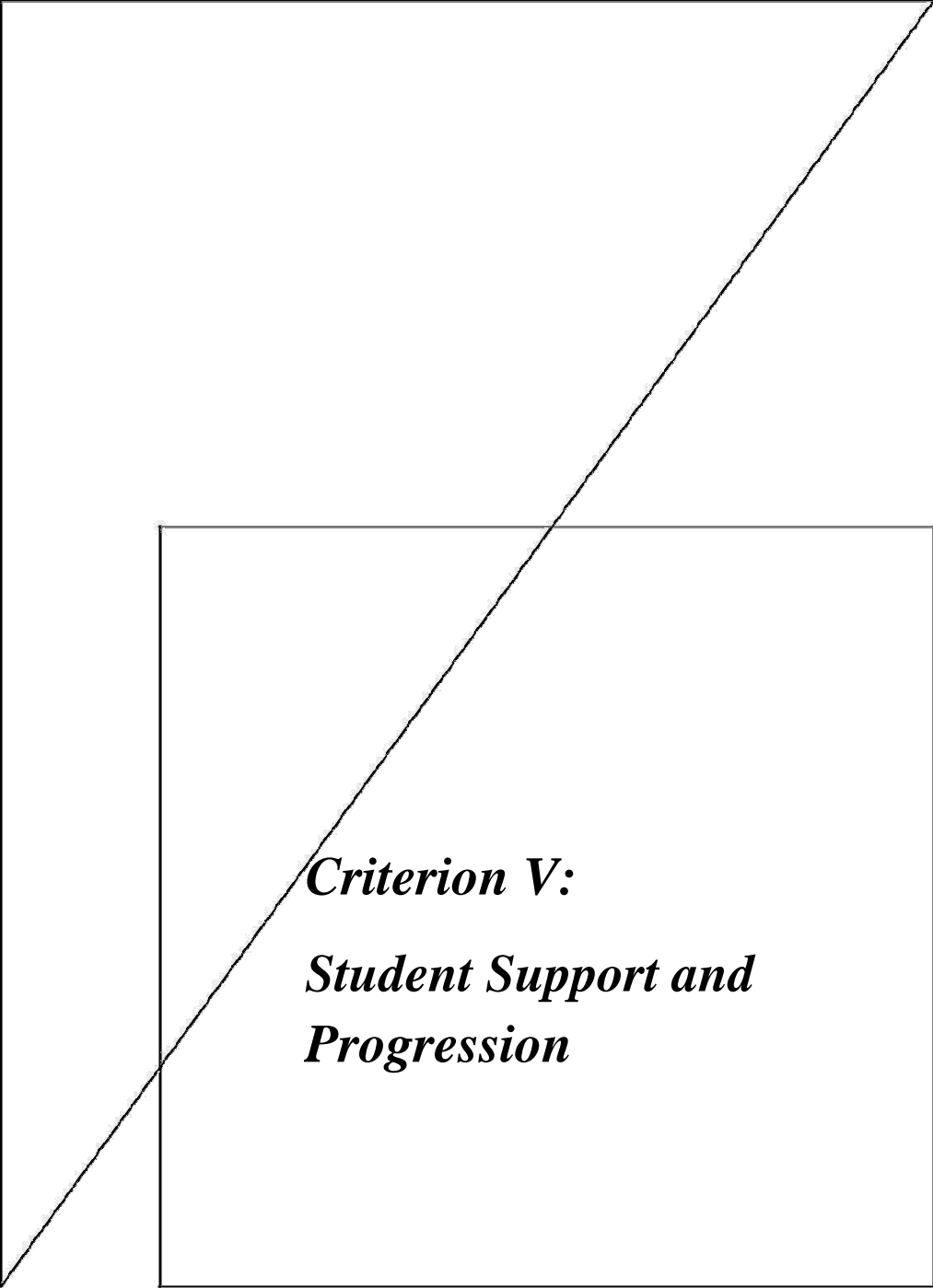
For smooth functioning of dental chair and equipments in the various departments, the institution has a full time in house mechanic who not only does the regular service work but also deals with the abrupt problems arising in the dental clinic during regular dental procedures. For high end equipments, an annual maintenance contract is drafted for proper maintenance which is renewed on yearly basis.

4.5.3 Has the institution insured its equipments and building?

Yes, the institution has insured its equipments and buildings through national insurance company wide policy no

- | | | |
|----|--------------------|------------------------------------|
| A. | 361504111610000084 | -standard fire and special perils. |
| B. | 361504111610000092 | -standard fire and special perils. |
| C. | 361504591610000072 | - burglar insurance |
| D. | 361504591610000079 | - burglar insurance |

The details of these policies are available for inspection onsite.



CRITERION V: STUDENT SUPPORT AND PROGRESSION**5.1 Student Mentoring and Support****5.1.1 Does the institution have a system for student support and mentoring? If yes, what are its structural and functional features?**

Yes, the institution has a strong system for student support and mentoring which follows the guidelines and norms laid down by the Honourable Supreme Court, the CCS University and the Dental Council of India.

Under this system, for every 10 students, there is one mentor; and for one batch there is one coordinator. At the beginning of every month, there is a meeting of students with their respective mentors, wherein students discuss their problems regarding diverse issues related to Studies, College activities, Hostel, Mess etc. Furthermore, once in every month there is a meeting of mentors with the coordinator, where all the problems put forth by students to their respective mentors are brought on table. Subsequently, all relevant measures are taken to resolve their problems and issues.

The details of batch coordinator are as follows:

Batch coordinators

BDS 1 st year-	Dr. Ashish Behl
BDS 2 nd year-	Dr. Sarabjeet
BDS 3 rd year –	Dr. Ajit singh Rathore
BDS 4 th year-	Dr. Payal Sharma
BDS intern-	Dr. Piush Kumar

The I.T.S-CDSR is a complete ragging free campus with zero tolerance for ragging.

There is an anti ragging committee and women cell, where students can approach the committee members any time for any relates issues.

The committee constitute of the following members:

Dr. Ajit Singh Rathore
 Dr. Ashish Behl
 Dr. Manu Dhillon
 Dr. Avnish Singh
 Dr. Meera Sandhu
 Dr. Mallika Sethi
 Dr. Divya Shetty
 Mr. Gaurav Sethi
 Mr. Deepak Gupta
 Mr. Sajal Mandal
 Mrs. Little Flower

For Female students, a women Grievance cell is functional, with the members including:

Dr. Vidya Dodwad
Dr. Manju Kumari
Dr. Shubra Vaish
Dr. Ipseeta menon

Student Counselors include:

Mrs. Rachna Kakkar(Mob. No. 9891371139)
Dr. Rishi Rath (Mob. No. 7838291785)

5.1.2 Apart from classroom interaction, what are the provisions available for academic mentoring?

Following are the provisions available for academic monitoring:

Every month there is a counselling session by mentors of each group of all the batches.

Institute facilitates the following in this regard:

Slow learners are assisted further by conduction of separate discussions, extra classes, and giving them assignments along with important questions.

Tutor ward system, encourages one on one interaction.

Projects are assigned to each batch.

Online chatting with the respective faculties, discussing their academic and other problems is frequently practiced.

English classes are held for students facing difficulty in English language.

Feedback system is actively functional, where students can share their problems and in turn provide valuable suggestions.

5.1.3 Does the institution have any personal enhancement and development schemes such as career counselling, soft skills development, career-path-identification, and orientation to well being for its students? Give details of such schemes

Yes, the institution on regular basis organizes management skills enhancing workshops and symposiums to develop leadership and team work qualities. Following are the workshops and symposiums conducted:

Personality development classes.

Practice management course to enhance clinical skills.

Bioner implant course.

Hands on workshops on an array of clinical procedures.

Campus placement drives are conducted every year.

In all these activities & workshops, the students participate with great zest and zeal, which helps them to learn the benefits of

working in team and to avail an opportunity to learn many new concepts with simulating interactions. The students have also been given an opportunity to be a part of organizing committee of these events, which helps them to build up leadership qualities.

5.1.4 Does the institution have facilities for psycho social counselling for students?

Yes, Mrs. Rachna Kakkar and Dr. Rishi Rath provide assistance for psychosocial analysis of the students. In case of any issues, students can directly discuss with either of them

Details of Student Counselors are:-

1. **Mrs. Rachna Kakkar**, Counselor (Mob. No. 9891371139)
2. **Dr. Rishi Rath**, Professor (Mob. No. 7838291785)

5.1.5 Does the institution provide assistance to students for obtaining educational loans from banks and other financial institutions?

Yes, the institution provides assistance to students for obtaining educational loans from banks and other financial institutions by providing all the necessary documentation needed by the student for such purposes. In addition, students are also provided a facility for delayed and split payment of fees.

5.1.6 Does the institution publish its updated prospectus and handbook annually? If yes, what are the main issues/ activities/information included/ provided to students through these documents? Is there a provision for online access?

Yes, at every 3 months interval, the college publishes its news letter by the title of —Zenithll, to enumerate numerous college activities of undergraduate and post graduate students.

Updated PG log books are made available.

Rule book for BDS program is published every year which includes duration and fee payment of the course , attendance requirements, passing criteria, general conduct and behaviour rules, dress code , library rules, hostel rules and regulations, examination rules, anti-Ragging committee details, teaching schedules and feedback suggestions along with steps of complaint management system.

5.1.7 Specify the type and number of institution scholarships/ free ships given to the students during the last four years. Was financial aid given to them on time? Give details. (in a tabular form)?

Following are the details of financial assistance provided to students of the institute:

BDS 3rd Year Batch (2011-15)

S. No.	Name of Students	%	Positions	Amount
1	Navneet Kaur	83.17	1 st in College & 2 nd in University	17500/-
2	Disha Panchal	82	2 nd in College & 4 th in University	7500/-
3	Meenakshi	81.5	3 rd in College & 5 th in University	5000/-
4	Stephy Mathew	80.83	4 th in College & 9 th in University	1100/-
5	Divya Deep Kaur	80.17	5 th in College & 11 th in University	1100/-
6	Megha Vashishtha	80	6 th in College	1100/-
7	Ankita Bhardwaj	79.67	7 th in College	1100/-
8	Priyanka Kumari	79.67	7 th in College	1100/-
9	Roopam Saini	78.83	9 th in College	1100/-
10	Roopali Tyagi	78.17	10 th in College	1100/-

BDS 4th Year Batch (2010 – 15)

Sl.	Name of Students	%	Positions	Amount
1	Geetika Gupta	78.94	1 st in College & 4 th in University	10000/-
2	Radhika Lamba	76.75	2 nd in College & 6 th in University	7500/-
3	Vaibhav Buttan	74.63	3 rd in College & 10 th in University	5000/-
4	Sanchi Gupta	74.56	4 th in College & 11 th in University	1100/-
5	Asisan Kalsi	74.44	5 th in College & 12 th in University	1100/-
6	Henna Mir	73.19	6 th in College & 17 th in University	1100/-
7	Megha Gupta	73.06	7 th in College	1100/-
8	Aakanksha Deoli	72.31	8 th in College	1100/-
9	Tauqeer UL Nisa	72.13	9 th in College	1100/-
10	Heena Bansal	71.88	10 th in College	1100/-

BDS 1st Year (Batch 2014-18)

Sl.	Name of Students	Positions	Amount
1	Tanvi Sharma	1 st in College & 4 th in University	10,000/-
2	Rishba Singh	2 nd in College & 5 th in University	7,500/-
3	Chhavi Grover	3 rd in College & 7 th in University	5,000/-
4	Sakshi Singh	4 th in College & 10 th in University	1100/-
5	Muruf Hussain Bharbhuiya	5 th in College	1100/-
6	Punya Taneja	5 th in College	1100/-
7	Shivani Agarwal	7 th in College	1100/-
8	Mathew Koshy Vaidyan	8 th in College	1100/-
9	Shantanu Dubey	8 th in College	1100/-
10	Yachna Goyal	8 th in College	1100/-

BDS 2nd Year (Batch 2013-17)

Sl.	Name of Students	Positions	Amount
1	Kamya Mahajan	1 st in College & University	20,000/-
2	Ridhi Rehani	2 nd in College & University	15,000/-
3	Roshnee Bhattarcharya	3 rd in College & University	10,000/-
4	Neha Gaur	4 th in College & University	1100/-
5	Divya Mittal	5 th in College & University	1100/-
6	Pulkit Gupta	6 th in College & University	1100/-
7	Parth Deoli	7 th in College & University	1100/-
8	Swagat Laxmi Barua	8 th in College & 9 th in University	1100/-
9	Aamna Khan	9 th in College & 10 th in University	1100/-
10	Mansi Negi	10 th in College	1100/-

BDS 3rd Year (Batch 2012-16)

Sl.	Name of Students	Positions	Amount
1	Ritika Singhal	1 st in College & 4 th in University	10,000/-
2	Vinita Goyal	2 nd in College & 5 th in University	7,500/-
3	Meghanjali	3 rd in College & 6 th in University	5,000/-
4	Shefali	4 th in College & 6 th in University	5,000/-
5	Pratiksha Tripathi	5 th in College & 9 th in University	1100/-
6	Diprita Kashyap	6 th in College & 10 th in University	1100/-
7	Parul Sharma	7 th in College	1100/-
8	Shaliga Bhatnagar	8 th in College	1100/-
9	Devika Jain	9 th in College	1100/-
10	Megha Sabharwal	9 th in College	1100/-

BDS 1st Year Batch (2013-17)

Sl.	Name of Students	%	Positions	Amount
1	Kamya Mahajan	86.17	1 st in College & University	20000/-
2	Divya Mittal	83.83	2 nd in College & 5 th in University	7500/-
3	Ridhi Rehani	82.17	3 rd in College & 6 th in University	5000/-
4	Manila Bhasin		4 th in College	1100/-
5	Aamna Khan		5 th in College	1100/-
6	Neha Gaur		6 th in College	1100/-
7	Mansi Negi		7 th in College	1100/-
8	Roshnee Bhattacharya		7 th in College	1100/-
9	Harsh Parashar		9 th in College	1100/-
10	Vinita Krishna		10 th in College	1100/-

BDS 2nd Year Batch (2012 – 16)

Sl.	Name of Students	%	Positions	Amount
1	Devika Jain	82.83	1 st in College & University	20000/-
2	Diprita Kashyap	82.83	1 st in College & University	20000/-
3	Parul Sharma	82.67	2 nd in College & University	15000/-

4	Ritika Singhal	82.17	3 rd in College & 5 th in University	5000/-
5	Pratiksha Tripathi		4 th in College & 7 th in University	1100/-
6	Vinita Goyal		4 th in College & 7 th in University	1100/-
7	Shaliga Bhatnagar		5 th in College & 9 th in University	1100/-
8	Meghanjali		6 th in College	1100/-
9	Shefali		7 th in College	1100/-
10	Aditi Mehrotra		8 th in College	1100/-
11	Ishika Garg		9 th in College	1100/-
12	Arunima		10 th in College	1100/-

BDS 1st Year Batch (2014-18)

Sl.	Name of Student	Positions	Amount
1	Tanvi Sharma	1 st in College & 4 th in University	10,000/-
2	Rishba Singh	2 nd in College & 5 th in University	7,500/-
3	Chhavi Grover	3 rd in College & 7 th in University	5,000/-
4	Sakshi Singh	4 th in College	1100/-
5	Maruf Hussain Bharbhuiya	5 th in College	1100/-
6	Punya Taaneja	6 th in College	1100/-
7	Shivangi Agarwal	7 th in College	1100/-
8	Mathew Koshy Vaidyan	8 th in College	1100/-
9	Shantanu Dubey	8 th in College	1100/-
10	Yachna Goyal	8 th in College	1100/-
11	Shivani Tandelwal	10 th in College	1100/-

5.1.8 What percentage of students receives financial assistance from state government, central government and other national agencies?

Following are the details enlisted:

Student Name	Details
Saurabh Chaudhary	(SC) state government BDS 3 RD YR
Nuzat Nazeer	(Kashmir) AICTE
Priyanka chaudhry	6000Rs. only one year in 2014
Shubham	General 12000 Rs. Per year
Sudha tyagi-	Final year stipend of social welfare association Samaj Kalian
Happy riba-	13400 Rs. From Arunachal Pradesh schedule tribal
Tamchi –	Rs. 13400

5.1.9 Does the institution have an international student cell to attract foreign students and cater to their needs

All the students wishing to take admission at the I.T.S CDSR have to clear the NEET entrance exam. There is no quota per se for foreign students. In order to gain admission to the institute, foreign students have to clear NEET exam at par with domestic students.

5.1.10 What type of support services are available for Overseas students

For overseas students, assistance is provided by helping them in opening their bank accounts, helping them in visa extension. In addition, leaves are given when required, car services are given to the airport, provision of AC rooms is made, and western food style is served. Also, medical facilities, and language expert assistance is provided to meet their demands.

For SC/ST, OBC and economically weaker sections, assistance is provided according to the Government of India rules.

Accidental comprehensive insurance for students and health insurance for teachers by Chola Mandalam is in place.

Performance enhancement for slow learners- extra classes, assignments, projects, extempore talks, short MCQ tests are also conducted.

Publication of students magazines, news letter, year book are also done.

5.1.11 Does the institution provide guidance and/or conduct coaching classes for students appearing for competitive examinations (such as USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS)? If yes what is the outcome? In Medical and Dental profession, majority of the students opt for post graduate education or preferred to enter private practices.

Yes, the college provides guidance in the following manner:

The college conducts periodic mock Post Graduate entrance examinations for its interns.

The institution provides an enriched updated resource material & books to prepare for competitive exams with assistance from the central library.

5.1.12 Mention the policies of the institution for the enhancing student participation in sports and extracurricular activities through strategies/ schemes such as *Additional academic support and academic flexibility in examinations * Special dietary requirements, sports uniform and materials * Any other

The college is highly supportive for students wishing to participate in sports and extracurricular activities. The college has excellent facilities for sports, fitness, cultural and extracurricular activities. A 2 hours break from 1pm-3pm on every second and forth Saturday of the month

for sports and extracurricular activities is granted. Every year the college conducts inter college and intra college festivals, which include sports events, cultural programmes and other extracurricular activities like tattoo making, photography, rangoli making, cooking, collage making, best out of waste, graffiti etc. Both undergraduates & postgraduate students participate in these events with great fervour & enthusiasm.

Additional academic support, and flexibility during examinations is given to such students. Students participating in sports and extracurricular activities are given time off to participate in extracurricular activities and extra classes are also conducted for them. Due Attendance is given to the participating students.

Necessary logistic and material support is given for cultural and sports activities. Free Transport & Refreshment is also provided to the students who actively participate in these events.

5.1.13 Does the institution have an institutionalised mechanism for student placement? What are the services provided to help students identify job opportunities, prepare themselves for interviews, and develop entrepreneurship skills?

To inculcate entrepreneurial skills, leading local/ alumni / national/ international level medical and dental practitioners are invited to the college campus to interact with the students and address the students on nuances of starting and running a dental practice. Following are important events conducted in this regard:

Dr. Shakti, Orthodontist from Canada conducted a lecture on career guidance and scope of dental practice in abroad.

- **Dr. Kumar Rajan** took lecture on —Dental Materials & Equipments for safer, fast & predictable dentistry during 28th ISDR conference 2015 held at ITS-CDSR.

Dr. Chugh took lecture on Practice Management during IDA student conference 2016 held at ITS-CDSR.

Workshop on Practice Management was conducted by **Dr. Ajit Shetty** for undergraduate students on 26, 27th August 2016 and 28th, 29th September 2016.

Campus placement interviews are conducted by various Corporate houses like **Clove dental** and **Innodeta** for freshly passed out undergraduates and post graduates.

The Institute's efforts have resulted in high proportion of students pursuing PG studies in various specialties and setting up and running of private practices successfully even after graduation.

5.1.14 How does the institution provide an enriched academic ambience for advanced learners?

At the institute, an ideal ambience is available for advanced learners in the form of Advanced research center, Implantology center and well equipped library with latest titles and journals. Additionally, Infrastructural support from Pharmacology and Biotechnology College is readily made available. The campus is Wi-Fi enabled and the critical guidance is available from the staff, when needed.

E-journals and E-books (EBSCO) can be accessed in the library, permission to issue additional books from the library are supplemental measures available. The College also facilitates various grants including the ICMR projects. Collaboration with International universities is also instituted. Student exchange programme with various international universities, CDE programs, national and international conferences, CPC for interns, postgraduates and faculty are key programs for student support.

The list of postgraduate students who have received ICMR grants is as under:

Year	Name of student	Financial grants
2014	Dr Apoorva Sajwani	Rs 28000/month for 2 years
2015	Dr Sonal Katyal	Rs 21000
2015	Dr. Arti Kochar	Rs 3,79,733
2016	Dr Flora Verma	Rs 25000 for 6 months
2016	Dr Avni Sharma	Rs 1,18,667

The list of students who have received research grants is as under:

Year	Name of student	Financial grant
2016	Agrim Dadu (Undergraduate student)	Rs 30,000
2016	Dr. Siddharth Tetio (Postgraduate student)	Rs 30,000

The list of students who have visited the Tufts and Leeds University as part of student exchange programme is as under:

	Year	Name of Student
Leads University	2013	Megha Nagpal (Undergraduate student) Charu Gupta (Undergraduate student)
Tufts University, Boston	2015	Geetika Gupta (Undergraduate student) Akansha Deoli (Undergraduate student) Dr. Gurbir Singh (Postgraduate student) Dr. Jasmine Arjena (Postgraduate student)
Tufts University, Boston	2016	Dr. Megha Nagpal (Postgraduate student) Dr. Vaibhav Mukund (Postgraduate student)

5.1.15 What percentage of students drop-out annually? Has any study been conducted to ascertain the reasons and take remedial measures?

A close watch is kept on new students to ensure that they do not face any kind of problem on personal or academic fronts. Any personal or academic problem is dealt with a personal effort and whole hearted support by faculty and management is extended; by fact finding, student counselling and interaction with parents/ guardians.

The dropout rate is very low and is mainly due to health issues or family concerns.

Undergraduate drop-outs list:

Year	Name of student
2012	Sahna Mukherjee Sarita Chauhan
2013	Jagatjit Tongbram

Postgraduate drop-outs list:

Year	Name of student
2015-18	Dr. Mainak Mukherjee (Oral Surgery)

5.1.16 Give the number of students selected during campus interviews by different employers (list the employers and the number of companies who visited the campus during the last four years?)

Various corporate houses have visited the campus for placement of students. The list of corporate houses and students selected is given in the table underneath:-

Company	Batch	Student Name	
Innodata	UG 2009-2014	Harsh Rajvanshi, Akriti Dwivedi Gopi Gupta, Dhananjay Arora Suman Yadav, Shifali Goyal Shweta Bharadwaj, Akansha Mehrotra Niharika Rathore,	Aparna Ray, Ramandeep Kaur Sanjoo Rani, Mandakini Dhillon Rashi Arya, Nupur Saraf Anshul Bindal Hafsa Affendi
	UG 2010-2015	Akansha Deoli, Shrishti Kumari Ekta Kashyap, Nandini Tripathi Manila Jain, Richa Dua Rida Sadaqat, Saloni Chakraborty	Shanu, Shaqeba Jamil Shivangi Singh, Suchita Chaudhary Megha Gupta Anuj Nagpal Pooja Dahiya
Clove	UG 2007-2012	Ridhi	Meenakshi

Dental	UG 2008-2013	Sakshi Joshi, Aditi Bisht Isha Aggarwal, Veenu Lakhanpal	Soumya Srivastav, Kalpana Garg Vidisha Gargi
	PG 2011-2014	Dr Avnish Singh	
Axis Dental	PG 2009-2012	Dr Anirudh Singh	
	PG 2011-2014	Dr Madhureema Chopra,	Dr Divya Dr Tushita Singh
ITS Group of Institutions	PG 2009-2012	Dr Vidhi Rathi, Dr Shobhit Sachdev	Dr Shubhra Malik
	PG 2010-2013	Dr Siddharta Bansal Dr Abhishek Shukla	Dr Anubhav Yadav Dr Gaurav Issar Dr Mohit Dadu
	PG 2011-2014	Dr Chetna Dudeja Dr Anshi Jain Dr Akshay Rathore	Dr Amit Gupta Dr Parul Dr Abhinav
	PG 2012-2015	Dr Anubhav Dr Pulkit Jhingan	Dr Nidhi Goel
	PG 2013-2016	Dr Akansha Banga Dr Rabinder Kaur	Dr Nikita Gulati
	UG 2008-2013	Dr Abhijeet Kasera Dr Pratigya	Dr Priyanka
	UG 2009-2014	Dr Saima Anwar Dr Akhil Manocha	Dr Sony Bansal
	UG 2010-2015	Dr Sidra Ashraf Dr Radhika Lamba	Dr Hina Bansal Dr Shubham Shukla

5.1.17 Does the institution have a registered Alumni Association? If yes, what are its activities and contributions to the development of the institution?

The institution has an alumni association since 2008. The alumni are an integral part of the all the college activities including workshops and conferences. They are invited by the college to attend conferences/CDEs/Workshops and have shown enthusiastic participation as well. Alumni are also invited in annual college festivals as chairpersons for the scientific sessions and judges for various cultural events. The college also promotes their participation by offering subsidized registration fee for the scientific events and also by obtaining a regular feedback from them. This feedback is used to improve & strengthen teaching methodology and infrastructure for example, oral lasers are the most sought after treatment modality currently but the professional training is quite expensive in India. Our alumni requested for a course on dental lasers. The college has purchased dental lasers and organized a conference in upcoming year 2017 for their benefit. Thus, a newer technique has been made available for both the college as well as the alumni. The annual Alumni meet details are as follows:

Alumni meet 2012	31 st March 2012
Alumni meet 2013	30 th March 2013
Alumni meet 2014	5 th April 2014

Alumni meet 2015	4 th April 2015
Alumni meet 2016	21 st May 2016

5.1.18 List a few prominent alumni of the institution.

The institute has many prominent alumni, to list a few they are as follows:

S.No	Alumini Name	Batch	Placement
1.	Major (Dr.) Amit Bansal	2000-2004	Armed forces
2.	Major (Dr.) Khushboo Malhotra	2000-2004	Armed forces
3.	Major (Dr.) Nitin Verma	2003-2007	Armed forces
4.	Major (Dr.) Dushyant Chauhan	2004-2008	Armed forces
5.	Dr. Shikha Tayal	2008-2013	18 th Rank, AIPG
6.	Dr. Shefali Goel	2009-2014	4 th Rank, UPPG
7.	Dr. Viviek Sharma	2008-2013	MPH- U.S.(Texas)
8.	Dr. Ankita Munjal	2008-2013	MPH- U.S.(Texas)
9.	Capt Dr. Anshul Arora	2010-2013	Armed forces
10.	Dr. Poonam Sharma	2009-2012	Fellowship in oncology
11.	Dr. Hafsa Effendi	2009-2014	DDS (USA)

5.1.19 In what ways does the institution respond to alumni requirements?

The alumni meet is held annually in the college premises to promote interaction between the representatives of the college and alumni. As the student passes out from the institution into the competitive world, constant support and guidance is considered essential from parent college. In order to facilitate the excellence of our students in the profession, the college readily responds to the requirement of alumni. For instance, whenever a young professional completes his / her graduation, setting up dental practice is the first task and to aid in the same, clinical practice management workshops are regularly held in the institute. The alumni are in constant interaction with the clinical faculty to help them overcome the former's difficulties in private practice.

5.1.20 Does the institution have a student grievance Redressal cell? Give details of the nature of grievances reported. How were they redressed?

Yes, the institution has an active student Grievance Redressal Cell which looks after the overall welfare and grievances of the students. Every year during the orientation program, the committee members are formally introduced to the students along with wardens and mentor so that they are familiar with the members and can approach them with their problems. There is a display of the names of committee members in form of banners in the college premises also.

The students approach the members with their problems and the problems are solved by the committee. For example, the student's

recently discussed the short duration of library timings. The mentors and the grievances committee discussed the issue with Internal Quality Assurance Cell along with the library staff and as a result, the library timings were enhanced till 10 pm. Similarly, when the students complained of the monotonous nature of the mess menu and mess food quality, mess in charges were appointed within the faculty for conducting surprise checks in the mess and also involved the students for planning the meal menu. The students also complained of lack of internet access for study. The entire campus is now wifi enabled for anytime internet access after college timings, after discussion between the grievances committee and Internal Quality Assurance Cell. The members of the committee are:

Dr. Avnish Singh
Dr. Manisha Lakhanpal
Dr. Priyanka Rastogi

5.1.21 Does the institution promote a gender-sensitive environment by (i) conducting gender related programs (ii) establishing a cell and mechanism to deal with issues related to sexual harassment? Give details?

Yes, the institution promotes a gender sensitive environment. Male: Female ratio of 1:2 amongst the students which clearly indicates the majority of female students in the institution. Women's day celebrations are carried out and talks on cervical & breast cancer have been conducted for the benefits of female students.

Women's cell Members are:

Dr. Vidya Dodwad(chairman)
Dr. Shubra Vaish
Dr. Manju Kumari
Dr. Ipseeta Menon

5.1.22 Is there an anti-ragging committee? How many instances, if any, have been reported during the last four years and what action has been taken in these cases?

Yes, there is an anti-ragging committee in the institute. The composition is as follows:

ANTI-RAGGING COMMITTEE (2015-2016):

S. No.	Name	Designation	Contact No.
1.	Dr. Ajit Singh Rathore	Convenor	9811038678
2.	Dr. Ashish Behl	Member	7838291787
3.	Dr. Manu Dhillon	Member	9219510522
4.	Dr. Avnish Singh	Member	8447744088
5.	Dr. Meera Sandhu	Member	9999553928
6.	Dr. Malika Sethi	Member	9999567455
7.	Dr. Divya Shetty	Member	9758683634
8.	Mr. Gaurav Sethi	Dy.Registrar	8447753520

		(A.P.A.)	
9.	Mr. Sajal Mandal	Warden-Boys	7838291773
10.	Mrs. Little Flower	Warden- Girls	7838291769
Anti-Ragging Squad (For Day & Night)			
For Boys:			
1.	Dr. Avnish Singh	Convenor	8447744088
2.	Dr. Sukumar Singh	Member	9837767771
3.	Dr. Pradeep Kumar Sharma	Member	9880225684
4.	Mr. Gaurav Sethi	Member	8447753520
For Girls:			
1.	Dr. Meera Sandhu	Convenor	9999553928
2.	Dr. Malika Sethi	Member	9999567455
3.	Dr. Nivedita Gulati	Member	8447885211
4.	Dr. Vandana Shrivastava	Member	9582015412

ANTI-RAGGING COMMITTEE(2012-2015):

S. No.	Name	Designation	Contact No.
1.	Dr. Rakesh Sharma	Convenor	9810300201
2.	Dr. Ashish Behl	Member	7838291787
3.	Dr. Ajit Singh Rathore	Member	9811038678
4.	Dr. Avnish Singh	Member	9557194241
5.	Dr. Manju Kumari	Member	9811056881
6.	Dr. Divya Shetty	Member	9758683634
7.	Mr. Gaurav Sethi	Dy. Registrar (A.P.A.)	8447753520
8.	Mr. J.P. Singh	Manager (Security & Admin)	7838291762
9.	Hostel Warden	Boys	7838291773
10.	Hostel Warden	Girls	7838291769
Anti-Ragging Squad (For Day & Night)			
For Boys:			
1.	Dr. Avnish Singh	Convenor	9557194241
2.	Dr. Mohit Sharma	Member	9557927535
3.	Dr. Alok Bhatnagar	Member	9810258692
4.	Mr. Gaurav Sethi	Member	8447753520
For Girls:			
1.	Dr. Divya Shetty	Convenor	9758683634
2.	Dr. Nivedita Gulati	Member	8881582211
3.	Dr. Sonal Soi Sharma	Member	8979266934

Student Counselors:-

Mrs. Rachna Kakkar, Counselor (Mob. No. 9891371139)

Dr. Rishi Rath, Professor (Mob. No. 7838291785)

No instances have been reported to the anti ragging committee till now.

5.1.23 How does the institution elicit the cooperation of all its stakeholders to ensure the overall development of its students?

Yes, the institution elicits the cooperation of all its stakeholders in following manner:

On regular basis, parents of each student are informed regarding the progress of their wards as college has various interaction ways and means between parents, faculty and management.

There is a provision of online chatting of parents with the concerned faculty where they can ask questions regarding their ward. There is also a provision of online chatting of students with their respective faculty where they can interact with the faculty regarding their problems which is sometimes difficult to share on one on one basis. There is also a system of mentor and coordinators to ensure proper communication between teachers, students and parents.

The management makes sure that parents have been invited in various functions, ceremonies which are organized by the college where they can easily assess the progress of their wards. For example: Parents are invited during the orientation programme of their wards where they get the opportunity to interact with the faculty and get familiar with the college environment where they are sending their ward for the next 5 years.

Also, there is white coat ceremony in the college where the students of BDS 3rd year are honoured by giving them white coats as a part of big responsibility they will be having as they enter the clinics and start working on the patients. Parents are invited on this ceremony to see their wards growing in the profession.

Furthermore, there is a convocation programme organized in the college. Parents have been invited to appreciate their wards getting a degree and becoming a doctor.

Function of Mata Ki Chowki is also organized where parents, students and faculty all are invited.

Monthly meetings of the Secretary and Administrator are held with the faculty to ensure about the progress of students and respective departments.

5.1.24 How does the institution ensure the participation of women students in intra- and inter-institutional sports competitions and cultural activities? Provide details of sports and cultural activities where such efforts were made?

The institution encourages participation of women students in intra and inter institutional sports competitions and cultural activities. Women students have participated and won various awards and brought glory to the institution in fields of kho-kho, basketball, tennis & shortput. In cultural events too, 80% of the participation is of girls in various events including dance, drama, singing and fashion shows.

5.1.25 Does the institution enhance the student learning experience by providing for rotation from the teaching hospital to the community and district hospital during the internship period?

Yes, the institute has collaboration with government hospitals (MMG and Sanjay Nagar Hospital) where the interns are posted as per the roster prepared by the department of Public health dentistry. The details will be available onsite.

5.1.26 Does the institution have immunization policy for its students and staff?

Yes, all the students before entering the clinics, and working on patient get immunized with hepatitis B vaccine. Faculty members have also been asked to get immunized for hepatitis B. It is also made sure that the Post graduates from other colleges are also immunized before taking up any clinical cases in the departments of the institute.

5.1.27 Does the institution give thrust on students growth in terms of:

Physical development - In house sports complex is available.

Emotional control – A psychologist is available for psychological counselling and visits every week in the institution.

Social dimension – Villages, schools, old age homes are adopted for free treatment. Various days like geriatric day, children's day, Anti tobacco day, Oral Cancer day are celebrated.

Spiritual growth – Eminent spiritual gurus like Shri Shri Ravi Shankar's group members and Chinmaya group members have visited the institute. Yoga & Meditation classes are conducted for interested students.

5.2 Student Progression

5.2.1 What is the student strength of the institution for the current academic year? Analyze the Program-wise data and provide the trends (UG to PG, PG to further studies) for the last four years.

The total strength of BDS course for the current year is 360 and MDS course is 149.

Percentage of students progressed from UG to PG (Campus + Other than Campus)

YEAR	% Of Progression
2012	27%
2013	45%
2014	40%
2015	34%
2016	21%

Post Graduate students progressed from PG to further studies

S. NO	Name of the post graduate	Department	Course
1	Dr. Bhawna Jha (2009-2012)	Periodontics	PhD in Periodontics
2	Dr. Apala (2012-1015)	Oral medicine and radiology	Fellowship in Dharamshila Hospital
3	Dr. Kaveri Suryakhanna	Oral Pathology	PhD in cell biology
4	Dr. Poonam	Oral and maxillofacial surgery	Fellowship in Dharamshila Hospital
5	Dr. Gaurav Singh	Oral and maxillofacial surgery	Fellowship in Dharamshila Hospital
6	Dr. Mallika	Periodontics	Advance course in Lasers

5.2.2 What is the number and percentage of students who appeared/qualified in examinations for Central / State services, Defence, Civil Services, etc.?

Following is the list of such students:

Type		Batch	Student	Number
State services	Post Graduates	(2010-12)	Dr. Rimjhim	03
		(2012-15)	Dr. Roopshikha	
		(2012-15)	Dr. Natasha	
Central Services	Under Graduates	(2007-12)	Dr. Srishti Manocha	14
		(2007-12)	Dr. Sonal Kapoor	
		(2007-12)	Dr. Sonal Katyal	
		(2008-13)	Dr. Iqbal	
		(2009-14)	Dr. Amarjeet	
		(2009-14)	Dr. Shrishty	
		(2009-14)	Dr. Vaishali	
		(2009-14)	Dr. Vidhita	
		(2009-14)	Dr. Bhawna	
		(2009-14)	Dr. Sakshi Attray	
		(2009-14)	Dr. Shruti khera	
		(2010-15)	Dr. Manila	
		(2010-15)	Dr. Richa	
		(2010-15)	Dr. Neha Badhana	
Post Graduates	Post Graduates	(2011-14)	Dr. Hulas Gogia	05
		(2011-14)	Dr. Kapil Saroha	
		(2010-13)	Dr. Navita Sharma	
		(2013-16)	Dr. Nitya Rai	
		(2013-16)	Dr. Kunal Tomer	
Defence	Post Graduate	(2010-13)	Dr. Anshul Arora	01

5.2.3 Provide category-wise details regarding the number of post graduate dissertations, Ph.D. and D.Sc. theses submitted/accepted/rejected in the last four years.

No post graduate (MDS) dissertation which has been rejected in the last 4 years. The category-wise details are as follows:

PROSTHODONTICS

YEAR	SUBMITTED	ACCEPTED	REJECTED
2013(2011-14)	6	6	-
2014(2012-15)	6	6	-
2015(2013-16)	6	6	-
2016(2014-17)	6	6	-

ORAL MEDICINE AND RADIOLOGY

YEAR	SUBMITTED	ACCEPTED	REJECTED
2013(2011-14)	2	2	-
2014(2012-15)	5	5	-
2015(2013-16)	5	5	-
2016(2014-17)	4	4	-

ORTHODONTICS

YEAR	SUBMITTED	ACCEPTED	REJECTED
2013(2011-14)	5	5	-
2014(2012-15)	5	5	-
2015(2013-16)	6	6	-
2016(2014-17)	6	6	-

CONSERVATIVE DENTISTRY AND ENDODONTICS

YEAR	SUBMITTED	ACCEPTED	REJECTED
2013(2011-14)	6	6	-
2014(2012-15)	6	6	-
2015(2013-16)	6	6	-
2016(2014-17)	6	6	-

ORAL AND MAXILLOFACIAL SURGERY

YEAR	SUBMITTED	ACCEPTED	REJECTED
2013(2011-14)	3	3	-
2014(2012-15)	6	6	-
2015(2013-16)	6	6	-
2016(2014-17)	6	6	-

PERIODONTICS

YEAR	SUBMITTED	ACCEPTED	REJECTED
2013(2011-14)	6	6	-
2014(2012-15)	5	5	-
2015(2013-16)	6	6	-
2016(2014-17)	6	6	-

PEDODONTICS

YEAR	SUBMITTED	ACCEPTED	REJECTED
2013(2011-14)	6	6	-
2014(2012-15)	6	6	-
2015(2013-16)	6	6	-
2016(2014-17)	6	6	-

ORAL PATHOLOGY

YEAR	SUBMITTED	ACCEPTED	REJECTED
2013(2011-14)	6	6	-
2014(2012-15)	6	6	-
2015(2013-16)	6	6	-
2016(2014-17)	6	6	-

COMMUNITY DENTISTRY

YEAR	SUBMITTED	ACCEPTED	REJECTED
2013(2011-14)	3	3	-
2014(2012-15)	3	3	-
2015(2013-16)	3	3	-
2016(2014-17)	3	3	-

5.2.4 What is the percentage of graduates under AYUSH programs employed in the following?

**AYUSH departments/Hospitals,
Multinational companies,
Health clubs,
Spas,
Yoga wellness centres,
Yoga studios,
Health clubs,
Own Yoga cubes/studios**

Not applicable for our institute.

5.3 Student participation and Activities**5.3.1 List the range of sports, cultural and extracurricular activities available to students. Furnish the program calendar and provide details of students' participation.**

The date-wise list of events is as under:

S.No.	Date of events	Name of Events
1.	18/02/2012	Euphoria (A Cultural Extravaganza)
2.	14/06/2012	Blood Donor Day
3.	28/07/2012	World Hepatitis Day
4.	05/09/2012	Teachers day celebration

5.	30/11/2012 to 01/12/2012	Occlusion 2012
6.	30/03/2013	Alumni meet 2013 convocation
7.	22/04/2013 to 27/04/2013	Sports Day
8.	03/05/2013 to 04/05/2013	Inter batch competition- Euphoria 2013
9.	29/07/2013	World Hepatitis Day (Know IT, Confront IT)
10.	05/09/2013	Teacher's Day celebration
11.	13/09/2013	Fresher's Party of 14th BDS Batch (2013-17)
12.	05/04/2014	Annual Convocation ceremony & Alumni Meet
13.	06/08/2014 to 08/08/2014	Euphoria- 2014 Academic excellence & cultural award day
14.	05/09/2014	Teachers Day celebration
15.	19/09/2014	Fresher's party 15th Batch BDS (2014-18)
16.	12/12/2014 to 13/12/2014	Occlusion 2014
17.	02/03/2015	White Coat ceremony
18.	08/03/2015	Women's Day Celebrations
19.	04/04/2015	Convocation ceremony & Alumni Meet – 15
20.	28/05/2015 to 30/05/2015	Euphoria 2015 "Interclass Cultural Fiesta"
21.	16/09/2015	Hostel Day celebration
22.	21/09/2015	Fresher's Party 16th Batch BDS (2015-2020)
23.	06/02/2016	White Coat Ceremony
24.	08/03/2016	Women's Day Celebrations
25.	15/03/2016- to 16/03/2016	Euphoria 2015 "Interclass Cultural Fiesta"
26.	21/05/2016	Convocation ceremony & Alumni Meet - 16

Extracurricular:-

	Year
Children's Day	2012-2016
Hepatitis Day	2012-2016
Anti – Tobacco	2012-2016
Teacher Training Programme	2015-2016
Oral Cancer Day	2015-2016
Roentgen Day	2015-2016
Student Picnic	2013-2016
Clinical Practice management	2016
Stress buster	2015-2016

5.3.2 Give details of the achievements of students in co-curricular, extracurricular and cultural activities at different levels: University / State / Zonal / National / International, etc. during the last four years.

The details of various achievements are:

Navtarang Inter Institution Fest at I.T.S Mohan Nagar

Singing	3 rd Prize	Amit Talukdar
Battle of Bands	2 nd Prize	Amplified Delirium Group (Amit Taludar Sohail, Ridip, Mathew, Abhishek and Pranav)

Impressions Inter Institution Fest at Moulana Azad Institute of Dental Science

Singing	2 nd Prize	Amit Talukdar
Instrumental	2 nd Prize	Amarpreet Singh

Band Mania at ESIC Dental College

Battle of Bands	1 st Prize	Amplified Delirium Group (Amit Taludar Sohail, Ridip, Mathew, Abhishek and Pranav)
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Pulse Inter Institution Fest at AIIMS

Singing	5 th Prize	Amit Talukdar
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Battle OF Bands at I.T.S Engineering College

Battle of Bands	3 rd Prize	Amplified Delirium Group (Amit Taludar Sohail, Ridip, Mathew, Abhishek and Pranav)
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5.3.3 Does the institution provide incentives for students who participate in national / regional levels in sports and cultural events?

The institution wholeheartedly supports the student's participation in national as well as regional level sports and cultural activities. The college provides transportation to the event participants and attendance is also granted for the same. The institute provides reimbursement of expenses to the students related to the event. In the cases of requirement of costumes for the dance or skit events, college lends its support by helping in purchasing/ renting of the same. One or two faculty members also accompany the students to the event for support

5.3.4 How does the institution involve and encourage its students to publish materials like catalogues, wall magazines, Institution magazine, and other material? List the major publications/materials brought out by the students during the last four academic sessions?

The institute's students are actively involved in the research activities. There are quite a number of students pursuing short studies in various departments under the faculty guidance and have won awards for the same too. The research work of the students is published in both national and IDA journals with the faculty support. The students also publish an annual yearbook which is an insight to their batch and their achievements under faculty guidance. The yearbook is prepared by each passing out batch, threading down their experiences in past five years in college and hostel, fun moments spent with friends in form of picture collages and tag lines. The entire batch travels down the memory lane when the year book is presented at the convocation day right from the day they entered the course till the completion. The college publishes this yearbook so as to provide the young professionals free hand in writing/ compiling their own experiences and to bring out the qualities of penmanship in them.

5.3.5 Does the institution have a Student Council or any other similar body? Give details on its constitution, activities and funding.

Yes, the institute has a student council. In 2016, IDA conference was organized and one of the pre requisites of the IDA conference was formulation of student council. The Student council was formed which actively participated and efficiently organized the IDA student's conference. The student council also involves in —Euphorial inter batch competition held annually in college for conducting various cultural and sports events by appointment of batch coordinators for different events and assuring the overall smooth management as well as success of the event

The list of members is as follows:

General Secretary

Sanidhya Bhargava

Cultural Secretary

Abhishek Biswas

Asso. General Secretary

Parth Deoli

Roshnee

Treasurer

Tapan Maitry

Shuja Khan

Scientific convener

Vishal

Diprita

Sports Secretary

Shantanu

Anubhuti

Community service

convener Saksham

Ankit Verma

- 5.3.6 Give details of various academic and administrative bodies that have student representatives in them. Also provide details of their activities.**

Internal Quality Assurance Cell (2016-18)

Chairperson-

Director/Coordinator IQAC-

Member from Management –

Mr . Bhushan Arora, Secretary

Administrative officers-

Mr. Surender Sood, Chief Administrator

Mr. Vijay Sharma, Administrator

Faculty Members-

Dr. Rishi Rath, Professor & Head, Department of Pharmacology

Dr. Sanjeev Saxena, Professor & Head, Department of Oral & Maxillofacial Surgery

Dr. Subodh Aggarwal, Professor & Head, Department of Prosthodontics

Dr. Vidya Dodawad, Professor & Head, Department of Periodontology

Dr. Sonali Taneja, Professor & Head, Department of Conservative Dentistry

Dr. Payal Sharma, Professor & Head, Department of Orthodontics

Dr. Upasna Ahuja, Professor & Head, Department of Oral Medicine & Radiology

Alumni-

Dr. Praful Mehra, Dr. Siddharth Shrivastava

Student-

Dr. Megha Nagpal, 03rd year Post graduate, Department of Conservative

Mr. Agrim Dadoo, 04th Year BDS Student

Village Head/Local society-

Mr. Ajay Kumar, Pradhan, Village Sultanpur, Block Muradnagar

Employers/Stakeholder-

Dr. Anup Bhushan

Dr. Puneet Ahuja, Principal, I.T.S Dental College & Hospital, Greater Noida

Student Welfare Committee:-

For every 10 students, a Mentor is appointed to guide them and to address their grievances and for each batch a coordinator is assigned for overall welfare of the students. In an attempt to promote the well being of the students, direct interaction between the parents/ Guardians and the faculty has been commenced in the form of TWAK site, where parents can ask queries as well as the progress of their ward directly.

Batch Coordinators:

BDS 1 st year-	Dr. Vishal Modgil
BDS 2 nd Year-	Dr. Rishi Rath
BDS 3 ^r Year-	Dr. Ajit Singh Rathore
BDS 4 th Year-	Dr. Payal Sharma
Interns-	Dr. Piush

Anti Ragging Committee (2016):-

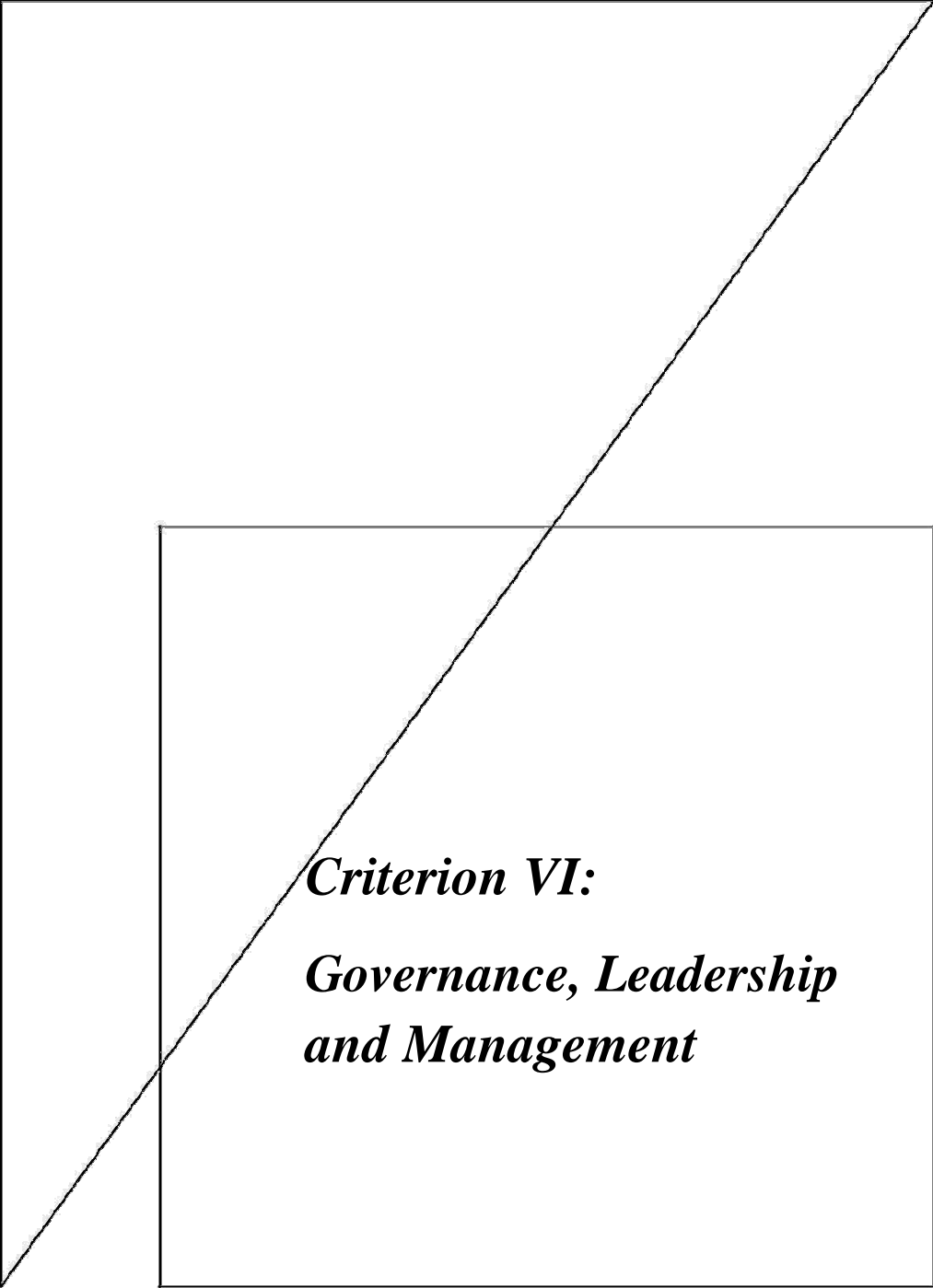
S. No.	Name	Designation	Contact No.
1.	Dr. Ajit Singh Rathore	Convenor	9811038678
2.	Dr. Ashish Behl	Member	7838291787
3.	Dr. Manu Dhillon	Member	9219510522
4.	Dr. Avnish Singh	Member	8447744088
5.	Dr. Meera Sandhu	Member	9999553928
6.	Dr. Malika Sethi	Member	9999567455
7.	Dr. Divya Shetty	Member	9758683634
8.	Mr. Gaurav Sethi	Dy. Registrar (A.P.A.)	8447753520
9.	Mr. Sajal Mandal	Warden-Boys	7838291773
10.	Mrs. Little Flower	Warden- Girls	7838291769

Alumni Association:-**Faculty:**

Dr. Ipseeta Menon
 Dr. Avnish Singh
 Dr. Siddharth Srivastva

Students:

Dr. Vidya Goswami
 Dr. Vaibhav Mukend
 Dr. Siddharth Tevatia
 Dr. Seema Rana



CRITERION VI: GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 Institutional Vision and Leadership

6.1.1 State the vision and mission statement of the institution.

The core vision and mission of the institute are based upon foundations of social beneficence, ethical practice and national development, which are amenable to intervallic revisions owing to dynamic industrial and educational ecosystem; reciprocated clearly in institutional functions, operations and deliverance to its stakeholders.

The I.T.S-CDSR mission is „**in service for a healthy nation**“. We at the I.T.S-CDSR believe that education is no longer „**a one size fits all**“ scenario. I.T.S has seized the opportunity to rethink and reposition itself to stay relevant and stay ahead using 3 key areas to propel it forward. Its vision has therefore encompassed

Curriculum innovation with newer teaching aids/methods.

Talent development: staff and students are encouraged on various academic and cultural platforms.

Strategic alliances: I.T.S-CDSR has formed a collaboration with the Tufts University, Boston to widen the academic quests of its students.¶

Elaborating it further, the I.T.S Centre for Dental Studies and Research (CDSR) envisions to impart its students with abundant knowledge, so as to enable them to practice all the specialties of Dentistry, efficiently, in a diligent way while they show evidence of an empathetic attitude towards the patients with simultaneous maintenance of moral standards deemed as appropriate; along with continual innovation, eventually nurturing future Dentists who strive to leave an indelible mark of professional propensity and humanitarian ethos for generations to follow. The Mission of the institute, too, is dissected neatly keeping in focus the needs of its two key elements: Students and Patients.

Mission towards students – The mission of the institute towards its students is to endow them with adequate theoretical, practical and technical skills that equip them with ample resilience and know-how to confidently practice Dentistry, with utmost integrity in any given strata of population, irrespective of cast, culture and creed.

Mission towards patients – The I.T.S-CDSR firmly believes in the notion that a patient is the most important visitor to our college. It is thought that each patient teaches us a lesson that cannot be taught in any book or tome. It is further stressed upon in the institute’s mission that, the institute is not doing patient a favor by serving him/her, rather the patient is doing us a favor by giving us an unique opportunity to serve him/her. The mission dictates that the patient doctor relationship should be a life time strong bond, which will reinforce the patient’s oral as well as general health and also assuage his/her pain.

6.1.2 Does the mission statement defines the institution’s distinctive characteristics in terms of addressing the needs of society, the students it seeks to serve, institution’s tradition and value orientations, its vision for future etc.

Yes, the mission statement of the I.T.S-CDSR certainly resonates with respective institutional characteristics which are distinctive to and equivalent with the needs of society, intrinsic traditional values and remarkable students it serves. The mission and vision can be termed futuristic in view of the fact that the institute is well acquaint with trends of dynamism, and has consistently delivered a substantial output to its stakeholders since its inception, which is well responded and reverted in terms of tangible institutional growth and development.

As the society witnesses a vigorous transformation in contemporary times ranging from population expansion, technological strides to instantaneous web access and innovative socio-economic reforms, the institute keeps its missions refurbishing from time to time while not deviating an iota from its core vision lineage. A case in point with this regard is the increasing footfall of patients the institute has observed in recent years, which has led to improvisation of software based patient management programs (ORION) to alleviate patient waiting time and augment efficiency.

Sterilization protocols and attire adoption in form of fully concealed green aprons have been adopted as the need of the hour permits to take up relevant steps with altering times, thus expanding the scope of the institute’s mission. The mission statement also pertains to evolving demands of patients as well as students owing to steady technical advancements, which are judiciously inculcated in the aspects of Medical Education Technology such as Microsoft Power point Presentations and Interactive patient education vignettes etc. Convincingly, the Mission and Vision of the institute represent as the backbone of pragmatic workable philosophy, profusely adapted and genuinely applied for an effective contribution to the society.

6.1.3 How is the Leadership involved in

Developing E- Governance strategies for the institution

- The I.T.S-CDSR provides a perfect combination of conventional and contemporary dental education, based upon a sturdy educational curriculum; characterized by distinction in teaching, research and oral health care services.
- The institute has evolved a knowledge management strategy which encompasses information technology, data bank and open access resources in unison.
- The institute boasts of an effective functioning of E-governance strategies in the institute, namely,
 - a) E- forum for information regarding admissions.

Monitoring of attendance of students (ERP): The faculty members are given responsibility of monitoring the attendance of undergraduate students after taking each lecture with the help of generating an ERP report and submitting it to the Academic Program Officer.

Storage of patient data through the ORION software: Two faculty members of the institute have been given charge of the ORION software, who regularly monitor the patient data as well treatment rendered on a routine basis.

Patient registration and E- billing facility.

E- Circulars: The Director PG studies and the Principal of the institute circulate information pertaining to meetings, events and other academic purposes via E-circulars to respective e-mail ID's of faculty members and members of the administration.

This strategy also holds good for storage of data pertaining to store (management of consumable/non-consumable items), accounts section and hospital management.

Ensuring the Organization's Management System Development, implementation and Continuous improvement?

Development

The institution's managing committee is headed by the Chairman, I.T.S The Education Group. The institute has a well established organizational system, comprising of the Chairman, Vice Chairman, Secretary, Chief administrator, Administrator, Director PG Studies and Principal, with a tidily channelized decision making process, taking into consideration all the aspects for smooth running of the institution. The academic, administrative, evaluative functioning of the college along with the student support service is regularly scrutinized.

All the proposals at the academic level are discussed by the Head of the departments with the Dean Academics. The Dean Academics takes these proposals to the director PG studies and the Principal who subsequently discuss it in the IQAC meetings.

At the administrative levels the requirements and proposals are discussed between the Dean Administration and the college administrator who then forward it to higher authorities.

The college believes in overall development of the students and thus there is plethora of extra-curricular activities in the college. The dean support services look after these activities and reports any requirement to the IQAC.

Evaluation being an integral part of academics the IQAC has appointed a separate Dean Evaluation for BDS and MDS curriculum.

The deans work in tandem with the institutional Heads and IQAC for the overall growth and development of the institute.

The academic sector is sustained by carefully following a pre-determined schedule laid down by the institute. All the proposals at the academic level are discussed at the HOD meeting in the presence of the Director PG studies and the Principal, and the matters are subsequently forwarded to the Chairman. At the administrative level, the proposals are put forth by the administrator and various policies with regard to both administrative and academics are collectively formulated, discussed and implemented in a high level meeting. The institute is highly committed to provide the best in teaching-learning experiences to the faculty and students of the institution in this regard.

Implementation

For implementation of the policies formulated and depending upon the nature of the work to be executed, various committees have been formulated viz. the clinical and IQAC Committee which evaluate departmental conduct and performs internal audits on a usual basis. The committees are represented by the entire spectrum of faculty and meet regularly to take various academic, financial and administrative decisions, for instance, the Academic committee recommends the use of newer teaching methods and skills and also encourages poster and debate competitions for the students. Academic committee also has initiated the system of reviewing the end term examinations. Similarly, the evaluation committee evaluates student's performance on a frequently and various methods have been adopted to cater to weak students. The decisions taken at different levels of the committee are then passed through the relevant bodies and further implemented.

At the academic level, the Student performance (end posting and internal assessments) and student feedback are used for further curricular revision and remedial measures are expeditiously enforced. Various mentors have been allocated to the students wherein their academic progress is evaluated periodically.

A stringent faculty and student feedback program forms the criterion for conducting guest lectures, workshops, conferences and seminars. The feedback of students with regard to knowledge, teaching method, use of audio visual aids in teaching, punctuality, willingness to answer queries, attitude and accessibility for individual faculty members is obtained on a prescribed format, and suggestions for further improvements are analyzed. This enables the faculty to obtain a clear perspective of their individual strengths and weaknesses.

Improvement

To set in a culture of incessant quality improvement and brilliance, an appraisal system coupled with review process to facilitate performance has been implemented. Depending on the feedback obtained, revision, reformation and constitution of the policies

formulated are undertaken. Thus, the institute is committed in ensuring consistency and compliance with international standards.

Interacting with stakeholders

- The leader follows a democratic and participative style of leadership, soliciting total participation and active involvement of the whole teaching fraternity. The leader also ensures that all stakeholders are involved in activities of the institute. A monthly review meeting is held presided over by the Chairman, Secretary, Director PG studies, Principal, and Administrator, to discuss the development and improvement strategies of the institution.
- The I.T.S CDSR utilizes skills and experience of outstanding faculty, staff and students who share the passion in creating an institution known for its quality and integrity. The leadership qualities are groomed through entrusting powers to the heads of the department and faculty members. The institution has a high repute amongst community of dental colleges in the country because of the acumen, skill, preciseness and sincerity of the various stakeholders involved.

Stakeholders of the Institute include:

Faculty:

The faculty members guide and mentor the undergraduates and the postgraduate students in methods of teaching, research, publication and practice. Each faculty mentors approximately ten students in a particular batch and the mentorship role is followed on a monthly basis. Any issue pertaining to specified matters is thereafter reported to the batch coordinator. The heads of the Department also conduct periodic meetings to discuss problems and range of issues related to the proper functioning of the department and a proper feedback is obtained with changes implemented as desired.

Students:

A regular feedback on curriculum, learning experiences, infrastructure and support facilities is obtained from each student and conveyed for appropriate review. The outcome of the feedback with regard to the teaching skills is intimated to the concerned faculty which provides them with an opportunity to make improvements in their respective fields.

Parents:

Feedback is also obtained from the parents of the students, either through direct communication or through correspondence by informing the respective academic coordinator. A suggestion page is available on the college website wherein the feedback on relevant matters is obtained from the parents of the

ward. The institution is attentively receptive to any of the suggestions provided.

Practicing dentists:

Various continuing dental education programs in collaboration with the dental practitioners are organized which keep the faculty and the students abreast with the latest knowledge and technologies.

Patients:

Grievances are also addressed by regular feedback from patients, through the officer appointed and through written messages which the patient can drop in the patient assessment box installed at the entrance thereby assisting in reviewing the quality of oral health care provided.

Alumni:

An alumni committee has been formed which obtains feedback from the alumni on relevant matters and suggestions obtained are incorporated and constructive improvements made.

Reinforcing a culture of excellence

- The I.T.S CDSR possesses an impressive infrastructure with state of the art equipment, well equipped laboratories, lecture theaters, and seminar halls. The library is spacious and well equipped with all modern facilities and resources in the form of books and journals as well as online journal services.
 - The I.T.S CDSR aims at providing the highest standards of excellence in higher education, fostering intellectual and personal development, and stimulating meaningful research and services to its stakeholders by encouraging innovations in academics and examinations, research funding and output, organizing conferences, workshops along with active participation in sports and cultural events.
- The institute also acknowledges the hardwork of students by giving awards for excellence in the form of cash prizes. Additionally, the institute publishes its own official scientific journal highlighting the research work done at the institute and other institutes of similar proportions.

Identify organizational needs and striving to fulfill them

The administration of the institution is broadly decentralized. The institution has a system, which is unique in India, wherein the administrative duties of the day-to-day workings are distributed amongst four Deans: one each for Administration, Academics, Evaluation and Support Service. The Deans handle their respective areas in association and support from the Director PG Studies, Principal, Administrator, Deputy Registrar, and Heads of the department.

The Director PG Studies and Principal are engaged with faculty to obtain:

Feedback

Identify areas that require changes

Deans for various cells include:

Dean Academics

Dean Examination / Evaluation

Dean Administration

Dean Support service

Various faculty in charge includes:

UG incharge

Sterilization / Infection control

Equipment in charge

Orion

ECHS Empanelled Clinic

Departmental meetings are conducted to discuss the materials, teaching curriculum and welfare.

6.1.4 Were any of the top leadership positions of the institution vacant for more than a year? If so state the reason. :

No

6.1.5 Does the institution ensure that all positions in its statutory bodies are filled and meetings conducted regularly? :

Yes, the institution follows a systematic process in the design and the development of various committees for proper functioning of the institution. They are:

IQAC meetings

Advisory Committee

Women cell committee

Anti- Ragging Committee

Intra- departmental meetings

College Council meetings

6.1.6 Does the institution promote a culture of participative management? If yes, indicate the levels of participative management.

Yes, the institute promotes a culture of participative management. The I.T.S-CDSR is a comprehensive dental educational institute, providing the highest standards of excellence in field of dentistry. Participative management strategies are used in the institution with the constitution of various committees headed by senior faculty members including:

Academic Enhancements

○ IQAC Committee

○ Publicity Committee

○ Alumni association

- Purchase Committee
- Journal Committee
- Research Committee
- Patient grievance
- Transport Committee
- Ethical Committee
- Student Welfare association Committee
- Human Resource and Development
- Anti ragging Committee.

Four Deans- for Administration, Academics, Evaluation and support services have been appointed. The deans handle their respective areas, thus ensuring participative management. Participative management is also executed by conducting regular HOD meetings, intradepartmental meetings and alumni meetings.

6.1.7 Give details of the academic and administrative leadership provided by the university to its affiliated colleges/ constituent units and the support and encouragement given to them to become autonomous.

Not applicable

6.1.8 Have any provisions been incorporated/ introduced in the University Act and Statutes to provide for conferment of degrees by autonomous colleges?

No

6.1.9 How does the institution groom leadership at various levels?

Leadership in the institution is groomed at the faculty level as well as the student level.

At the faculty level

The Director PG studies and Principal are engaged with the faculty to conduct periodic meetings and obtain regular feedback and identify areas that require amendments. All the constituent departments submit their monthly performance report in terms of patient statistics, revenue generation, scientific activities, clinical performance and these reports are evaluated by the Director PG studies. Necessary strategies are devised and implemented as desired. The appraisal of the faculty members is also forwarded by the Director PG studies for further consideration and annual increments.

There are four Deans for various cells and their responsibilities are well defined.

Dean Academics

Dean Examination / Evaluation (UG and PG)

Dean Administration
Dean Support service

The Heads of the department are given autonomy in their choice of action for the welfare of the department. The leadership roles encourage executive members in different specialties and the mentorship stewardship role helps to progressively define efficiency in administrative functional processes. The head of the departments also exerts their role by following the appraisal system wherein the faculty members are monitored, based on their academic and overall clinical performance.

All the departments cater to both undergraduate and postgraduate curriculum, wherein the undergraduate program includes course enrichment exercises such as participation in integrated seminars and research projects. The undergraduate students are looked after by different mentors, who from the very beginning, groom the students not only academically but also help in their overall development. The faculty members appointed in charge of the respective years, as batch coordinators, and are they are kept well informed about all relevant issues pertaining to the each batch. At the departmental level, the faculty incharge caters to teaching in the form of discussions and practical demonstrations, and also conducts internal assessment exams, chair side and end posting exams on a regular basis to evaluate the student's performance.

The postgraduate program with an annual intake of six seats includes eighteen postgraduate students, enrolled for the entire three years of duration. The postgraduate curriculum includes areas including research, seminars, journal clubs, practical cases, library dissertation and completion of thesis towards partial fulfillment of the requirement for obtaining MDS degree. The postgraduate program department is structured into two units comprising of one professor, two associate professors and one senior lecturer each, who are responsible for guiding the postgraduates with regard to teaching and practical demonstration during their course. The students are also guided by their respective guides and co-guides for completion of the dissertation which is mandatory to obtain the MDS degree.

Leadership is also groomed at the committee level where various committees comprising of both senior and junior faculty members are constituted as governing bodies, which not only enhance the prestige of the institution but also helps in the overall development of the fraternity. Wide ranges of issues are dealt at each level and remedial measures are undertaken as appropriate.

Continuing dental education programs (seminars, symposia, guest lectures, webinars and workshops), comprehensive oral healthcare programs (in addition to regular curricular practices) and scientific

paper/poster presentations at national and international levels, help to enhance professional skills and competencies of the students.

Student level

At the student level, the class representatives of the respective batches exhibit leadership role by furnishing the information and providing necessary feedback pertaining to different issues, faced by the particular batch, to each concerned batch coordinator. The cultural student representative and sports representative take the initiative to organize various cultural and sports events respectively under the guidance of an assigned faculty member.

6.1.10 Has the institution evolved a knowledge management strategy which encompasses the following aspects as access to :

Yes the college has evolved a knowledge management strategy which encompasses the following aspects:

Information technology

Entire college is Wi-Fi enabled and ERP based attendance is practiced.

ORION software – Lodging and storage of patient data with regular SMS sending to the patients for the scheduled appointment is a hallmark feature of the software.

Library has e-journals subscription. The whole institute is transformed into software based data system and is slowly progressing towards paperless work.

National Knowledge network

While the college does not avail the services of National Knowledge Network at present, it does avail resource sharing network such as DELNET and cloud computing where all national journals are available.

Data bank

Online journals, e-databases (EBSCO), HELINET, WEBINARS comprise of the data bank of the institute. Google drive has also been installed in server and made available to interested part takers.

Other Resources

Library –Books, Titles, print journals

6.1.11 How are the following values reflected in the functioning of the institution?

Contributing to National development :

The I.T.S CDSR promotes access to teacher's training programs, research projects, thereby reflecting the college's motto —In service for a healthy nation.!

1) Education

The I.T.S-CDSR provides an impeccable blend of conventional and contemporary dental education based upon a novel educational curriculum, thus striving for excellence in teaching and oral health services to produce quality dentists at par with the international standards. The institute also boasts of being a research oriented educational institute in the entire Delhi NCR region. Advanced learning is further encouraged by promoting various research activities by undertaking research oriented projects.

The management has always felt a need for reforms in rural education as well and has promoted various activities for the social welfare of the general population.

2) Health

The I.T.S CDSR aims at providing quality dental care to the general population. Affordable treatment charges to make the service easily accessible are implemented. Satellite clinics, free dental camps, free denture camps are organized to undertake quality dental research and dental health care tasks at ground level.

Twelve camps are held every month – 10 village rural or semi-urban camps (out of which 2 are Sunday camps) and 2 school camps. The college operates 3 satellite centers in collaboration with the local government, namely,

MMG hospital (District centre), where infrastructure, material and personnel are provided by the college while revenue goes to the government.

Sanjay Nagar satellite centre, which is managed wholly by institution.

Dasna jail centre where college caters to the inmates.

The college has additional 4 satellite centers of its own which are financed and managed by the institution itself. They are:

I.T.S Mohanagar
Nand Gram
Shival Khas
Sultanpur

Various days of socio-health importance are also celebrated as:

World Health day
CSA training program
Teacher's training
program ○ No tobacco day
○ Women's day
○ Dentist day
○ World cancer day

- World elderly day
- World hepatitis day
- Free denture delivery camp
- Free service for poor and needy
- Oral health education program

These days are celebrated to promote nationwide awareness of sensitive issues around oral health and the importance of looking after oral hygiene for every age group ranging from old to young patients. Lectures for chairside assistants are also included as a part of the program and issues related to practice of good oral hygiene, disinfection, sterilization, are discussed.

Corporate social responsibility :

The institute has promoted various activities of social welfare for the general population. The I.T.S CDSR has adopted Sultanpur village to cater to all dental treatments, and endorsing healthy practices such as safe drinking water without any risk of health problems, correct hand washing, and prevention of female feticide. Various lectures on Drug abuse have been delivered to increase awareness and enhance existing knowledge of the residents of the village. The village boasts of being completely digitalized and cashless dental treatment is rendered to all the residents.

Employment:

The institute offers long term service benefit and schemes for its employees. Employment, both directly and indirectly is provided. Direct employment of all the employees in form of jobs is provided. Due to the growth and development of the institute and taking into consideration the needs of the students, indirect employment in the form of outsourcing, fulfilling financial and emergency needs and employing members of the rural population in various stores such as grocery, stationary etc. have immensely contributed towards the betterment of the society. Various IT centers have been endorsed and the institute has also contributed to increasing the GDP of the nation to a great extent.

Fostering global competencies among students :

- The students are constantly encouraged to attend workshops, CDE programs, seminars, national and international workshops to keep them updated with the recent advances.
- There is a fruitful interaction of institution and representatives of the dental care industry as well. The institute conducts various lectures, courses on Dental Implants and has trained the students for the use and applicability of these in patients. The institute in collaboration with Colgate, Oral B, and Listerine has been actively disseminating awareness towards oral health

conditions and the use of oral health products for a healthy upkeep of patients.

This institute has an academic collaboration with the Tufts University, Boston for foreign exchange program to widen the horizon of the students.

The institute has also conducted Basic and the Advanced Comprehensive Implantology Program in collaboration with the Bioner Implants which is recognized by the ICOI (International Congress of Oral Implantologists).

The I.T.S CDSR also provides comprehensive information about the Leeds university, its courses, application procedure etc. for enhancing the knowledge of the students. Two postgraduate students of the institute got enrolled at an undergraduate elective placement at the Leeds Dental institute for a period of two weeks. The institute also inculcates a sound value system.

6.1.12 Has the institute been indicted/ given any adverse reports by national Regulatory bodies? If so, provide details.

No

6.1.13 Projected budgetary provisions towards teaching, health Care services, research, faculty development.

Teaching
Health Care
Research
Faculty Development.

Approximately 10 lakh each is the projected budgetary provision.

6.2 Strategy Development and Deployment

6.2.1 Does the institution have a perspective plan for development? If yes, what aspects of the following are considered in the development of policies and strategies?

Vision and Mission

The management and the institute are committed towards fulfilling its mission in all its implanted policies and strategies. Institutional perspective plan is developed by management with the Academic heads and Deans in loop, and then policies are decided for enforcement. The institute also aims to serve larger sections of society by increasing the number of satellite centers and conducting camps and cancer screening programs.

The mission of the institute towards patients has been publicized throughout the college and campus to inculcate these objectives and responsibilities amongst students and faculty

Teaching and learning

- The ITS CDSR aims at imparting quality education to future oral health care providers. The curriculum focuses on ICT (Information and Communication Technology) enabled and evidence based learning. Classrooms are well equipped with Smart Boards to make the learning process more effective.
- Problem based learning is emphasized in all aspects. Teacher's Training workshops are held every year to help the faculty in improvising the teaching learning process, in accordance with the global standards.
- The Institute organizes various conferences and workshops at National as well as International level, that further provides the students with a platform to interact with stalwarts in their respective fields of interest and also to present scientific papers/posters.
- Both, undergraduate and postgraduate students are optimized to take up research projects under faculty guidance and coordinators, to ensure development of scientific quotient amongst its dental students. The institute tends to promote the publication of works of original research in national and international journals bearing a high impact factor.
- The institute continues to collaborate with various institutes of national and international higher education, industry and local bodies for furthering oral health care and research.
- The Students exchange program is held every year with the Tufts University, School of Medicine, Boston, USA, wherein, undergraduate and postgraduate students along with a faculty get a unique opportunity to observe and interact with their international counterparts.
- The institute has also introduced the Oral Implantology program in association with the Bioner Implants and the University of Murcia, Spain, where Interns, Post Graduates and Faculty are trained in Basic and Advanced Implantology. Interaction with renowned national and international faculty helps in enhancement of clinical skills and knowledge of the institute's faculty members who are an integral part of the course.
- The institute also has collaboration with the Dharamshila Cancer Hospital and Research Centre, New Delhi where Postgraduates from the Department of Oral Pathology and Oral and Maxillofacial Surgery are posted for gaining additional clinical exposure to various types of Craniofacial Cancers.

Research and Development

- The Institute has an active research and ethical committee to ensure quality of applied and fundamental research. Faculty members can avail a Research grant up to Rs 25000 for conducting original research innovation in their field after

submitting the projects and attaining approval by the Committee.

The I.T.S CDSR has established an Advanced Centralized Research Facility as —The Centre for Advanced Research. It is the first research centre in Northern India to provide complete guidance and facilities in the field of Biotechnology, Microbiology, Genomics, Immunohistochemistry and Dental Metallurgical studies. The main focus of the Centre for Advanced Research is to provide guidance, training and research facility to BDS, MDS, MSc and MPharma students for undertaking their thesis/ research work and bridging the gap between Research and Clinical Practice.

The institute also has its own Bi-annual journal – The Journal of Dental Specialties, which publishes articles pertaining to original research and clinical development. It provides an ideal platform for sharing knowledge and communicating scientific writing and research at a global level.

The I.T.S.CDSR has recently introduced the —Young Dental Researcher Award, which encourages both Undergraduate and Postgraduate students to provide a platform for groundbreaking innovations in the field of dentistry. The winners are provided financial aid from the institute to materialize their concepts in to reality.

Community Engagement

The I.T.S-CDSR conducts regular dental camps and cancer screening programs in tandem with its mission of providing quality oral health care to the population. Twelve camps are held every month -10 village rural or semi- urban camps (out of which 2 are Sunday camps) and 2 School camps. Oral examination is conducted and dental treatment is provided free of cost. Some patients are also referred to the nearby satellite centers and to the institute itself. Camp buses ply for easing the travel cost of patients to the institute's hospital.

The institute operates 3 satellite centers in collaboration with the Government.

MMG hospital, where infrastructure, material and personnel are provided by the institute, while the revenue goes to the Government.

Sanjay Nagar satellite centre, which is managed wholly by the institution while the revenue goes to the Government.

Dasna Jail centre, where the college caters to the inmates.

The college has another 3 satellite centers of its own which are financed and managed by the institution itself. i.e. I.T.S Mohan Nagar, Nand gram and ShivalKhas. The I.T.S CDSR also sponsors one surgery per month for patients with oral malignancies as a part of its social responsibility.

The I.T.S CDSR also has recently adopted the village Sultanpur, Ghaziabad District, wherein a Satellite Centre is set up to meet all the health needs of the village. A team of dental and medical doctors provides door to door screening and counseling to the villagers. The institute aims to initiate health education programs to increase the awareness related to dental health needs, basic sanitation and overall health of people.

Human Resource Planning and Development

The I.T.S CDSR recruits qualified and experienced faculty who are selected based on the norms laid down by the DCI.

Timely promotions and appraisals are given to the teaching and non teaching faculty.

Faculty Development and leadership programs are conducted regularly. Teacher Training program is also conducted on a regular basis which is taken over by the invited faculty. The teachers are trained in use of different learning techniques for improvement of teaching learning process.

The I.T.S CDSR also provides accommodation for the Chair Side Assistants for their welfare and conducts various skill development programs for them as well.

Industry Interaction

The I.T.S CDSR conducts Campus interviews to recruit dynamic and deserving candidates for teaching jobs. The institute has liaison with corporate dental chains like Clove dental and Innodata which conduct campus recruitment.

Internationalization

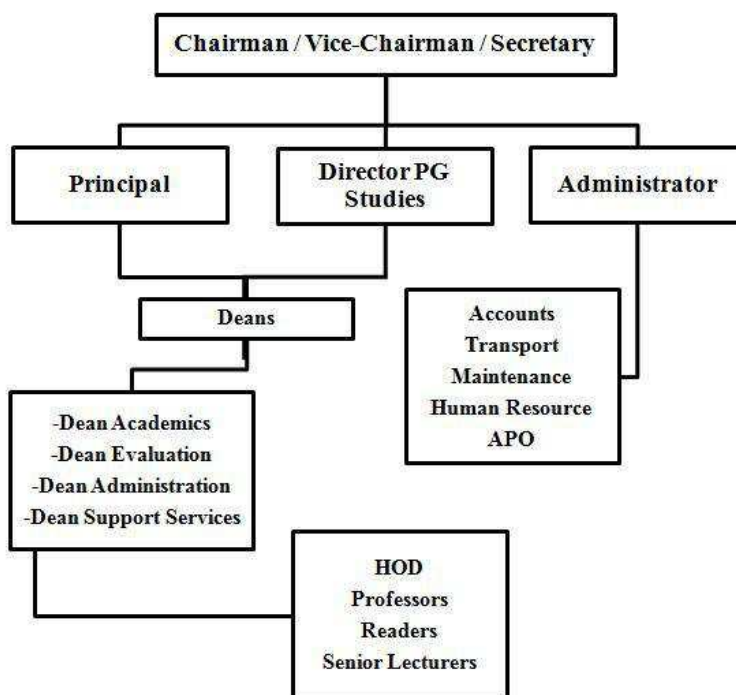
- Students exchange program is held every year with the Tufts University, School of Medicine, Boston, USA, wherein, undergraduate and postgraduate students along with a faculty get an opportunity to observe and interact with international counterparts. The prime objective of this program is to deepen the economic, cultural and social understanding between the institutions and to participate in a variety of teaching and professional development activities.
- The institute has also introduced the Implantology program by Bioner Implants in collaboration with Bioner Implant, Murcia, Spain.

6.2.2 Describe the institution's internal organizational structure (preferably through an organogram) and decision making processes and their effectiveness.

Is there a system for auditing health care quality and patient safety? If yes, describe.

How often are these review meetings held with the administrative staff?

Institution's Internal Organizational Structure
Institute Managing Committee



The institute has constituted an Internal Medical Audit Committee for auditing and ensuring health care quality and patient safety. The committee is headed by the senior most Head of the Department and has HODs and senior professors as its members. Patients are randomly selected through the Orion software and treatment provided is reviewed keeping in mind the International Guidelines (For example, guidelines given by the American Academy of Pediatric Dentistry). Any deficiencies found in the treatment rendered are conveyed to the treating doctor to ensure quality clinical care being delivered to the patients. The meetings of the audit committee are held on a monthly basis.

Strict infection control and sterilization protocol is followed and monitored by the Department of Microbiology to reduce the risk of Health Care Associated Infection (HCAI), for both health care professionals and the patients.

Apart from these internal audits, Regulatory bodies like the Dental Council of India and the Chaudhary Charan Singh University also conduct inspections on a regular basis.

The institute also has ECHS (Ex Service Men Contributory Health Scheme) empanelment to provide General and Specialized Dental Care Services to ex Army personnel, following inspection by NABH (Constituent Board of Quality Council of India) on 15th march 2014 (Recommendation No.2014-0344).

The institute is also ISO (9001:2008) certified for providing standard and quality services (License No. CRO/QSC/L-8003212.1).

6.2.3 Does the institution conduct regular meetings of its various Authorities and Statutory bodies? Provide details.

Review meetings of various authorities are held regularly. Regular IQAC meetings, monthly HOD meetings are attended by the Secretary, administrator, Director PG Studies, Principal, HODs and Senior Professors. Individual departmental work load and problems are discussed. Any matters that require policy decisions are further taken to the Monthly Review Meetings (MRM) which is chaired by the Chairman and attended by Vice Chairman, Secretary, Administrator, Director PG Studies and Principal. Key decisions like revision of treatment charges and distribution of medicines at subsidized rates are discussed and passed to ensure proper functioning of the institute.

The Institute also conducts regular meetings of Anti Ragging Committee and Women's Cell members to address student grievances and ensure student safety. The I.T.S CDSR also has grievance redressal committees. The members of these committees sensitize the students at regular intervals towards safety and other relevant guidelines within the campus.

6.2.4 Does the institution have a formal policy to ensure quality? How is it designed, driven, deployed and reviewed?

Yes, the I.T.S CDSR has well defined policies to ensure the quality of various academic and administrative activities. The institute is committed to enhance patient satisfaction by providing consistent quality services at optimum cost for providing effective and efficient patient care services. Effectiveness of Quality management system is ensured by various administrative committees.

Various committees like IQAC, Orion Audit Committee, Infection control committee and Biomedical waste disposal committee ensure quality care with regards to patient care, development and implementation of various policies pertaining to infection control, asepsis, and standard operating protocols.

Academic audit of both the BDS and MDS students is also done to keep a track of improvement made by students in their respective fields. Students are also encouraged to actively participate in research projects and publish their work in national and international journals. Newer materials and clinical practices are also regularly inculcated in the academic curriculum after approval by the academic committee headed by the Dean Academics.

Various academic and administrative committees assess, review and ensure quality of academic, healthcare and administrative processes and the review outcomes are evaluated with consequent inputs given to the concerned committee for implementation of reforms.

6.2.5 Does the institution encourage its academic departments to function independently and autonomously and how does it ensure accountability?

Yes, the decentralized process of administration ensures that all departments work as an autonomous, independent system. The core responsibility of the department lies with the Head of the Department. The College has enlisted Job Descriptions for all the faculty members and the HOD ensures that these responsibilities are abided by. Monthly stock and indent records, monthly income record and patient statistics are also maintained to ensure departmental accountability. The functioning of each department is independent and is aimed at enhancing academic and clinical excellence. The Dean Academics monitors teaching-learning activities and strategizes any reforms in policies regarding provision of education. Annual Department Development Program is prepared by the HOD pertaining to Infrastructural requirements, requirement of books and journals in the Central and Department Library along with upgradation of teaching curriculum. These requirements are discussed and put forth to the Academic Heads and Management for approval.

6.2.6 During the last four years, have there been any instances of court cases filed by and / or against the institution? What were the critical issues and verdicts of the courts on these issues?

Nil

6.2.7 How does the institution ensure that grievances / complaints are promptly attended to and resolved effectively? Is there a mechanism to analyze the nature of grievances for promoting better stakeholder-relationship?

Yes, the Institute is empowered with student feedback software which is available in the central library. Any grievance related to academics can be submitted by students, which is then forwarded to the Director PG Studies and Principal for necessary action. The Vice Chairman himself also looks into these complaints and ensures their effective resolution.

The institute also has an Almighty Help Desk System through which any complaint related to accounts, infrastructure or medical equipment can be submitted. The complaint is then forwarded to the concerned incharge for necessary action. Within each department, there is a Complaint Management System that ensures resolution of the complaint to the satisfaction of the complainant. Such complaints are also looked into by the administrator and action is taken within 3 working days. Any complaint left unresolved in 5 days is directly looked into by the Chairman of group.

Patient grievance - Normally, treatment is undertaken taking care of the concerns, health and benefit of the patient, and complaints do not as such occur. However, in case the patient has a grievance, the institute has a robust system for addressing them. Each department has a Patient Grievance Incharge whose contact number is displayed in the departmental premises. Secondly, a patient complaint box has also been kept in the Central Registration Area wherein the patients can easily drop in their grievances, if faced. Thirdly, a Patient Incharge has been appointed by the Institute who randomly collects feedbacks from the patients. Any complaints reported are immediately taken to the Head of the Department and corrective action is taken. The matter is also reported to the Director PG Studies to ensure resolution and thereafter uploaded on Dental Orion software for future records.

The I.T.S-CDSR has zero tolerance towards any form of gender-based discrimination, exploitation and harassment. Consequently, the college has constituted Women's cell to prevent sexual or physical harassment to female students and faculty. The women's cell regularly monitors and prevents any misdeeds in the campus. Any complaint is promptly looked into and discussed with the Head of the Institution to initiate punitive measures against the culprit.

The institution also has an Anti Ragging Committee and Student redressal committee whose appointed in charge is introduced to the students at Orientation Program. Any complaint submitted by the students is nullified by the concerned Committees.

Any grievance or disputes related to the Hostel or Mess is looked into by the designated hostel in charge who resolve any matters related to the same.

Faculty matters related to the leave or appraisals are also directly looked into by the Director PG Studies and thereafter taken to the management for decisions. However, the institute also has a faculty grievance cell to address any complaints by the faculty for an effective and satisfactory resolution. This cell also reports directly to the Director PG Studies.

6.2.8 Does the institution have a mechanism for analyzing student feedback on Institutional performance? If yes, what was the institutional response?

Yes, the students feedbacks are collected regularly and are used to make positive changes in the teaching learning process.

Students are encouraged to give feedback after every lecture. This feedback is kept confidential and is directly evaluated by the Principal of the institute. The relevant points from feedback are conveyed to the concerned faculty through the HOD for necessary corrective action.

6.2.9 Does the institution conduct performance audit of the various departments?

Yes, departments submit monthly performance report in terms of:-

- Patient statistics
- Revenue generation
- National / International Publications
- Advanced clinical cases
- Scientific research presented
- CDE / Conferences / Workshops attended

The HOD discusses these reports with the faculty and thereafter they are analyzed in monthly HOD/IQAC meetings. Outcomes assessment is undertaken and the goals, strategies and methods are refined if required. At the subsequent meetings, any curativemeasures taken are also discussed.

The institute also has a unique way to evaluate the treatment quality by conducting regular Medical Audit, wherein an Internal Medical Audit Committee assesses the Patient Records.

6.2.10 What mechanisms have been evolved by the institution to identify the developmental needs of its affiliated / constituent institutions?

Not applicable as the I.T.S CDSR is not a Deemed University and does not have any other Institutions affiliated.

6.2.11 Does the institution and hospital have their own updated websites? If so, is the information regarding faculty and their areas of specialization, days of availability, timings, consultation charges available on the website?

Yes, the institute has its own updated website and has a wide range of information relevant to patient care, teaching learning, research policies and protocols. It also has information regarding individual departments, faculty and areas of specialization.

6.2.12 What are the feedback mechanisms and documentations to evaluate the outcomes of these exercises?

The I.T.S CDSR has a robust feedback mechanism for evaluation of academics and patient treatment at various levels.

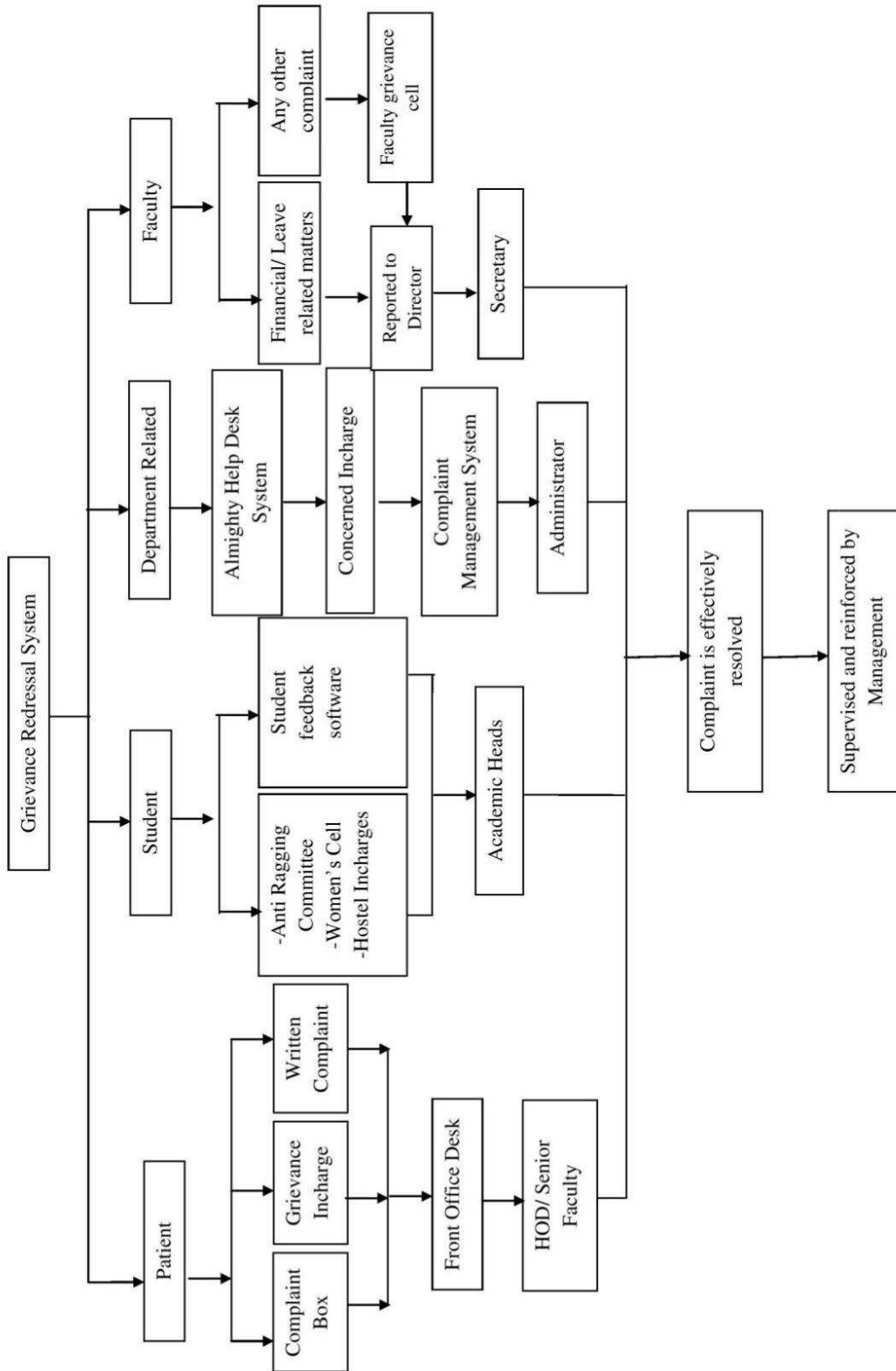
The departments submit a monthly report of academic and clinical performance. These reports are discussed in the HOD meeting every month to assess the functioning of the department. Action taken report is also presented and discussed at the subsequent HOD meetings.

Student's feedback is recorded every month to assess the quality of teaching learning process. Faculty feedback is analyzed for curriculum enrichment during monthly departmental meetings with the HOD.

Feedback forms are also available at the Central Registration Area and OPD counters of all Departments to objectively evaluate patient's experience based on treatment quality, time taken, doctor's behavior and facilities available.

Names of the students and faculty with positive feedback and appreciation from the patients are displayed at the OPD entrance for motivation and encouragement for others as well.

Feedback from Alumni is also taken at the Alumni Meet every year for self appraisal and constructive suggestions are used for further improvement in college infrastructure and academics.



6.3 Faculty Empowerment Strategies

6.3.1 What efforts have been made to enhance the professional development of teaching and non-teaching staff? What is the impact of Continuing Professional Development Programs in enhancing the competencies of the university faculty?

Various efforts have been taken up by the college to enhance professional development of teaching and non-teaching staff, namely,

Teaching staff:

- The college, periodically, organizes various conferences, conventions, CDEs, lectures, workshops and symposiums to improve the professional competencies. Some of the national conferences and PG conventions that have been organized in the college during the period between 2012 to 2016 are: 28th ISDR conference (20-22 Nov 2015), 10th ISPPD conference (March 2013), 16th IACDE and IES conference (4-6th June, 2015), 10th ISP PG convention (1-3rd March, 2013). The details of these are given in respective department evaluation reports.

- Financial support is given to the faculty to organize the conferences/workshops/CDE programs.

Eminent academicians from other universities train our senior as well as junior faculty members at teacher's training and leadership skills programs conducted by the institute periodically. The details of these are given under criteria 2.4.8 and 2.4.11.

The institute encourages and mandates faculty members to attend specialty conferences of the respective professional organizations. The institute reimburses the registration, travel and accommodation for one conference/convention in an academic year for each faculty member according to his/her entitlement.

There is a regular inter-departmental interaction in terms of CPC for faculty, interns and postgraduates of the institute.

Non-teaching staff:

- Communication skills program, life support and emergency management programs for staff are conducted on regular basis. They are also trained on the IT applications, use of computer and internet to involve them in running the hospital management and treatment programs.

The technical staff is also trained to handle any new equipment added.

To update knowledge of non-teaching staff and to upgrade their skills, lectures by eminent faculty from the institute are taken. Lectures on dental auxiliaries and their responsibilities, dental operatory and dental chair, medical emergencies in dental office, infection control, sterilization, biomedical waste management, OPD management, patient scheduling and seating and four handed dentistry for staff are routinely taken.

After the lectures, evaluation of their knowledge through MCQ's and feedback from the participants are obtained.

The Department of Pathology and Microbiology conducts a Sterilization Training Course for chair side assistants, nursing staff and lab technicians of the institute.

6.3.2 What is the outcome of the review of various appraisal methods used by the institution? List the important decisions.

Methods of Appraisal

Teaching Staff

The faculty fills their annual appraisal proforma which is first appraised by heads of the department based on their work done, performance, publication and presentation as per the DCI regulations. It is then forwarded to the Principal and then to the Director PG and finally it is put forth to the Secretary of the Institutional Group.

Non-teaching staff

Feedbacks from the heads of the department, administrative officers and final evaluation by the Registrar of the non-teaching staff form the basis of their confirmation and annual increment.

Outcome

Self –appraisal of the faculty helps to monitor the academic development of the faculty and based on these evaluations annual increments are granted.

If the appraisal of the teaching or non-teaching staff is not satisfactory, a reappraisal may be undertaken after a period of three to six months, during which period the concerned staff is given the opportunity to rectify outstanding issues and make improvements. This potentially brings in more accountability and a sense of responsibility.

The outcome of the feedback obtained from the students on teaching-learning is communicated to the concerned faculty which is used for enhancing their professional competencies.

6.3.3 What are the welfare schemes available for teaching and non-teaching staff? What percentage of staff have benefitted from these schemes in the last four years? Give details.

Leave Travel concessions (LTC) is given to both teaching and non-teaching staff after completion of 5 and 10 years of service. Those who have completed 5yrs are given Rs 10,000 along with 3 days leave and those who have completed 10yrs are given Rs 30,000 along with 5 days leave.

All staff members who are not under ESIC coverage are entitled for the MEDICLAIM and accidental policy.

Non-teaching staff who have completed 3 yrs of service and whose salary is less than Rs 15,000/- are given financial support for their marriage as well as their family members.

Tuition fee of maximum two children of non-teaching staff with monthly salary less than Rs 20,000/- is reimbursed upto Rs 750/- per month per child till 12th standard only.

Maternity leave is given as per the rules and regulations of the institute.

Campus facilities like Residence, Gym, Yoga, and Recreation are readily made available for the faculty staying in the campus.

Occasionally, faculty excursions are also arranged.

6.3.4 What are the measures taken by the institution for attracting and retaining eminent faculty?

The following measures are taken by the management to attract and retain eminent, sincere and deserving faculty:

Timely and attractive salary.

Senior faculty members with more than 15 years of working experience in the institution are given due credit.

Cordial and healthy relationship between the employees and management is maintained.

Timely promotions are given to the desired and eligible faculty.

Constant up-gradation of laboratories, libraries and other infrastructural facilities.

Availability of large number of courses/programs is ensured.

Teaching skill programs are conducted regularly.

Support of research funding and financial backing in conferences is provided.

Provision of allowance like travel and driver salary is put in place.

Maternity leave with full pay is provisioned.

Gratuity and provident funds are provided.

Residential facilities are available in the campus.

Special LTC's are given to the faculty after completion of 5 and 10 years of service.

Grooming of capable staff for leadership roles .

6.3.5 Has the institution conducted a gender audit during the last four years? If yes, mention a few salient findings.

Yes, the college has conducted the gender audit in the year 2012-13, 2013-14, 2014-15, and 2015-16. The details of which are uploaded on the All India survey on Higher education (AISHE) college website.

The salient features of the gender audit conducted are as follows:

The gender audit of the student shows 38 female students in MDS and 77 female students in BDS in the year 2012, 33 female students in MDS and 76 female students in BDS in the year 2013, 37 female students in MDS and 81 female students in BDS in the

year 2014, 26 female students in MDS and 77 female students in BDS in the year 2015, 36 female students in MDS and 44 female students in BDS in the year 2016.

The gender audit of the teaching faculty also shows increase in number of percentage of female teaching faculty with four female faculties heading the department.

The numbers of female Professor are 10, Readers are 11, Sr. Lecturer 25 and Tutors are 12 in number.

6.3.6 Does the institution conduct any gender sensitization programs for its faculty?

Yes, the institution conducts gender sensitization programs for faculty. Women empowerment is encouraged by celebrating Women's day. The staff, during meetings, is made aware of gender equality and issues related to them. They are made aware of the right of personal dignity and security. Female staff, both teaching and non-teaching, is educated to address any of their problem at work place to the Grievance cell and Women cell. However, no such cases have been reported till date.

6.3.7 How does the institution train its support staff in better communication skills with patients?

Yes, the institution trains its support staff in better communication skills with patients by conducting orientation programs, knowledge based programs and communication skills programs as discussed under 6.3.1.

6.3.8 Whether the research interests of teaching faculty are displayed in the respective departments?

Ongoing and completed research projects are uploaded and displayed on the college website.

6.3.9 Do faculty members mentor junior faculty and students?

Yes, senior faculty members guide and mentor junior faculty members in methods of teaching, research, publication and practice. Both junior and senior faculty mentors postgraduate and undergraduate student in academics and research. Each faculty mentors approximately 10 undergraduate students in a particular batch. Monthly interaction with the student is organized by each mentor and any issues faced by students are then reported to the batch coordinator. Several postgraduate/undergraduate students have been part of research work funded by the ICMR. The faculty guides the postgraduate/undergraduate students in their posters and paper presentation at national and international conferences.

6.3.10 Does the institution offer incentives for faculty empowerment?

Yes, the institution offers incentives for faculty empowerment by providing travel and dearness allowance, academic leaves to attend national and international conferences and CDE programs. It also provides seed money as token grant for research projects undertaken by faculty.

6.4 Financial Management and Resource Mobilization.**6.4.1 What is the institutional mechanism available to monitor the effective and efficient use of financial resources?**

The institution monitors the effective and efficient use of financial resources through budgets and internal audit. It has appointed a chartered accountant, who on regular basis conducts the internal audit of all the transactions. Annual budget is prepared for the purpose of implementing infrastructural development and teaching learning processes. Regular monitoring is done in order to know the deviations and to take corrective measures. All income and expenditure of the college are efficiently monitored by The Finance Committee in coordination with the Heads of Department, Principal and Director.

6.4.2 Does the College have a mechanism for internal and external audit? Give details.

Yes, the Institute has its own internal audit system and has appointed a chartered accountant, who on regular basis conducts the internal audit of all the transactions. External audit is conducted by statutory auditors M/s. D.C Garg and Company, Ghaziabad and they conduct the audit twice a year.

6.4.3 Are the college's accounts audited regularly? Have there been any audit objections, if so, how were they addressed?

Yes, M/s. D.C Garg and Company, Ghaziabad conducts the official scrutiny of accounts by going through routine college fee collections, bank payments and receipts, cash payments and receipts, undertake verification of bills and payment vouchers. Auditors submit their report to finance committee of the institute. All the recommendation, suggested by the authors in their report, is taken care by the finance committee. The last audit was done in April 2016. The objections, if any, are rectified and corrective is action taken to ensure that the corrections are addressed in subsequent audits.

6.4.4 Provide the audited statement of accounts with details of expenses for academic, research and administrative activities of the last four years.

Audited statement of accounts for the financial year 2012-13, 2013-14, 2014-15 and 2015-16 are available on site.

6.4.5 Narrate the efforts taken by the institution for resource mobilization.

The major source of the institutional receipts is from student fees and financial collections from the OPD and Hospital. The institute uses its financial resources for the following purposes:

Purchase of library books, subscriptions and reading course materials.

Holding seminars and workshops for faculties and students.

Honorarium for the guest speakers.

Academic club and cultural events of students.

Salary of faculty and staff.

Expansion of buildings.

Purchase of computers for labs.

Purchase of OPD and Lab equipments.

Purchase of office and other equipments.

Maintenance of Building, furniture and campus.

The institute has not faced any deficit till date for meeting the above expenses. However if in future, there is any deficit of funds, then the same can be met through transferring the funds from the Parent society.

6.4.6 Is there any provision for the college to create a corpus fund? If yes, give details.

Yes, institute has an earmarked corpus fund. The details of the amount available are presented in the balance sheet available on site.

6.4.7 What are the free/subsidized services provided to the patients in the hospital?

The college provides services at highly subsidized rate. The overall treatment charges for all the treatments are at much lower price as compared with Private Hospitals, Private Clinics and Government run hospitals in surrounding areas with net cost of around 10-12% of the prevailing market rates. The college has lowest rates for all Primary, Secondary and Tertiary treatments. Also, an amount of 50,000 INR is provided for meeting the surgical expenses of one cancer patient per month as contribution on humanitarian grounds to benefit the poor. Additionally, cases which are of academic and research interest

including CBCT and Implant placement are termed free. A village named Sultanpur has been adopted by the college. All the treatment provided to the village by the college is rendered free of cost. The college works on No Profit-No Loss basis. In addition, the institute keeps on conducting various diagnostic and treatment camps in villages, schools, semi-urban areas which involves screening and providing basic health treatments free of charge on site.

6.4.8 Does the college receive fund from philanthropic organizations/individuals towards patient care? If yes, give details.

The college does not receive any fund from any philanthropic organization as it is a self financed institute.

6.4.9 Do patients from other states/abroad come from treatment, reflecting the unique quality health care provided by the college?

Patients from Trans Hindon areas, East Delhi, Central Delhi and ECHS beneficiaries come routinely for treatment to the college. They are provided unique quality health care at the college at highly subsidized rates much lower than the other centres in vicinity.

6.5 Internal Quality Assurance System.

6.5.1 Does the institution conduct regular academic and administrative audits? If yes, give details.

Yes, the institute performs regular academic and administrative audits with a view to improve quality and enhance its processes and systems.

Academic Audit:

The academic audit is carried out for both undergraduate and postgraduate students of the college. A periodic record of UG and PG progress is maintained to keep a track of improvement made by students in their respective areas of concern. The students are encouraged to actively take part in research projects, short studies, dissertations etc. and publish their work in journals of national and international repute. Also, paying heed to necessity of research orientation, a centre for advanced research has been set up in the college which functions as an autonomous department with dedicated faculty members taking charge of various components of functioning such as Molecular research and Metallurgical research. Comprehensive Dentistry Program is an unique program focused particularly to students of non-clinical departments after realizing a need to churn out not only good academicians but also equally excellent clinicians in service of the society. Academic upgradation is a continuous process, spearheaded by the academic committee in consultation with the dean academics to constantly inculcate newer materials and clinical practices into curriculum.

Administrative audit:

Administrative audit is done to keep record of various departments to ensure accountability and transparency in materials and processing. A camp follow up audit is done routinely to check the number of patients examined and treated in camps conducted in community outreach programs. The month wise and year wise distribution of patient OPD is reflected and displayed at the main college entrance door. Similarly, Library audit is done to keep record of Books, Journals and Titles in the central library. Journals in form of hard and soft copies and also e-journals are regularly updated in the central library. Also, each department maintains its own departmental library to cater to specialty specific literature needs, as suggested by audit. A revenue audit in relation to consumption report is generated every month via ORION. In addition to this , audit of all the consumables and material supply is done by Central Store to maintain an updated inventory. A regular Leave audit is conducted for all the employees of the institute by HR department, as per leave rules to ensure systematic record maintenance.

6.5.2 Based on the recommendations of the Academic audit, what specific follow up measures have been taken by the college to improve its academic and administrative performance?

Based on recommendations of the academic audit, grey areas have been identified in form of weak students having slow learning potential. For such students, A Staff member is allotted to each student to supervise his/her academic growth and address any concern related to learning in theory or clinical sessions. To establish a smooth function of overall working, various shortcomings too are addressed swiftly. MS Power point Presentations are uploaded 15 days in advance for a lecture taken for UG Students. Specific guidelines have been laid down and circulated amongst all the faculty members to adhere to the protocol of lecture preparation and content optimization of each lecture taken. CPC for interns, postgraduates and interns is also conducted on regular basis. CAD-CAM machine, 3-D CBCT machine have been installed in the college for conducting an advanced level academic training.

Also, decisions are taken to improve the learning process of students who experience difficulty in learning due to language and communication barriers owing to diverse cultural backgrounds. For Such students, a dedicated faculty member is appointed to oversee a constructive progress and any issue pertaining is swiftly resolved. In Clinical Settings, to enhance the spectrum of learning various interdepartmental learning exercises viz. Orthodontic-Pedodontic Seminar and Clinical Discussions are conducted at regular basis to teach the Post-Graduate Students about broader clinical problems encountered in the age specific group i.e. adolescents and young age population. For example, any shortage of colored bags in the Biomedical Waste Management (BMW) process adopted by the college are taken care of immediately after conducting regular

sensitization and orientation demonstrations for the students, faculty and allied staff by respective in charge in each department. Furthermore, Collaborative meetings of three departments namely: Oral Pathology, Oral Surgery and Oral Medicine are hosted periodically at the institute, where subject experts from each department participate in exhaustive discussions aimed at improving the practical understanding of PG Students.

6.5.3 Is there a central unit within the college to review the teaching-learning process in an ongoing manner? Give details of its structure, methodologies of operations and outcome?

Yes, the academic committee reviews teaching learning process in an ongoing manner. This committee overlooks any issue pertaining to slow learning students and is responsible for maintaining standards of Teaching, education and examination at both the undergraduate as well as postgraduate level.

The meetings of academic committee focus on various aspects of teaching-learning process including, evaluative mechanisms and competency assessment, achievements and awards of faculty as well as students, research areas and methods to enhance the research potential in students and faculty.

Based on the recommendations of the academic committee, the attendance of students has been computerized and recorded entirely in the software. Also, for the interns, to guide them for competitive entrance examinations, A MCQ test is conducted free of charge to acclimatize them of the recent examination trends in MDS entrance. From Research point of view, the institute has bagged ICMR projects from departments of Oral Pathology and Prosthodontics.

Teacher's Training Programme is also conducted on Regular intervals where there is a detailed training of teachers from invited eminent faculty, which spreads over a period of four days. The teachers are thoroughly made familiar with the techniques and trends of teaching and developing an effective student-teacher relationship to improve teaching-learning process.

6.5.4 How the IQAC contributed to institutionalizing quality assurance strategies and processes?

The IQAC in its regular review meetings proposes and discusses agenda for quality assurance strategies. The proposals are kept before Monthly Review Meeting (MRM) headed by The Chairman. Key decisions pertaining to Revision of Treatment Charges, Left Handed Chairs for Left handed Clinicians, Subsidized Medicine distribution have been unanimously passed to ensure unhindered processes and functioning of the institute.

6.5.5 How many decisions of the IQAC have been placed before the statutory authorities of the college for implementation?

A few of the IQAC recommendations have been forwarded to the management for improvement of infrastructure for the placement of new lift and implementation of teaching learning and research. Decisions pertaining to New state of art auditorium have been passed and KalpanaChawla auditorium was inaugurated recently to promote scientific gatherings and interdepartmental meetings, Also CAD-CAM and CBCT have been deployed in the college after decision was taken to improve patient care with active involvement of teaching-learning simultaneously.

6.5.6 Are external members represented in the IQAC? If so, mention the significant contribution made by such members.

External members represent in the IQAC. Those from the industry suggest newer materials and visit to manufacturing units.

6.5.7 Has the IQAC conducted any study on the incremental academic growth of the students from disadvantaged sections of the society?

The IQAC has been formed recently. The study on the incremental academic growth of students from disadvantaged sections of society is in the process. Every year, students who excel in academics by scoring higher overall rank from previous year are awarded a cash prize for showing academic growth.

6.5.8 Are there any effective mechanisms to conduct regular clinical audit of the teaching hospital? Give details.

Yes, the clinical audit committee of the college conducts audits of the clinical cases. .The CCS Meerut has local inspection committee, that visits the institution once a year to audit the teaching, learning and research. The DCI also inspects the institution.

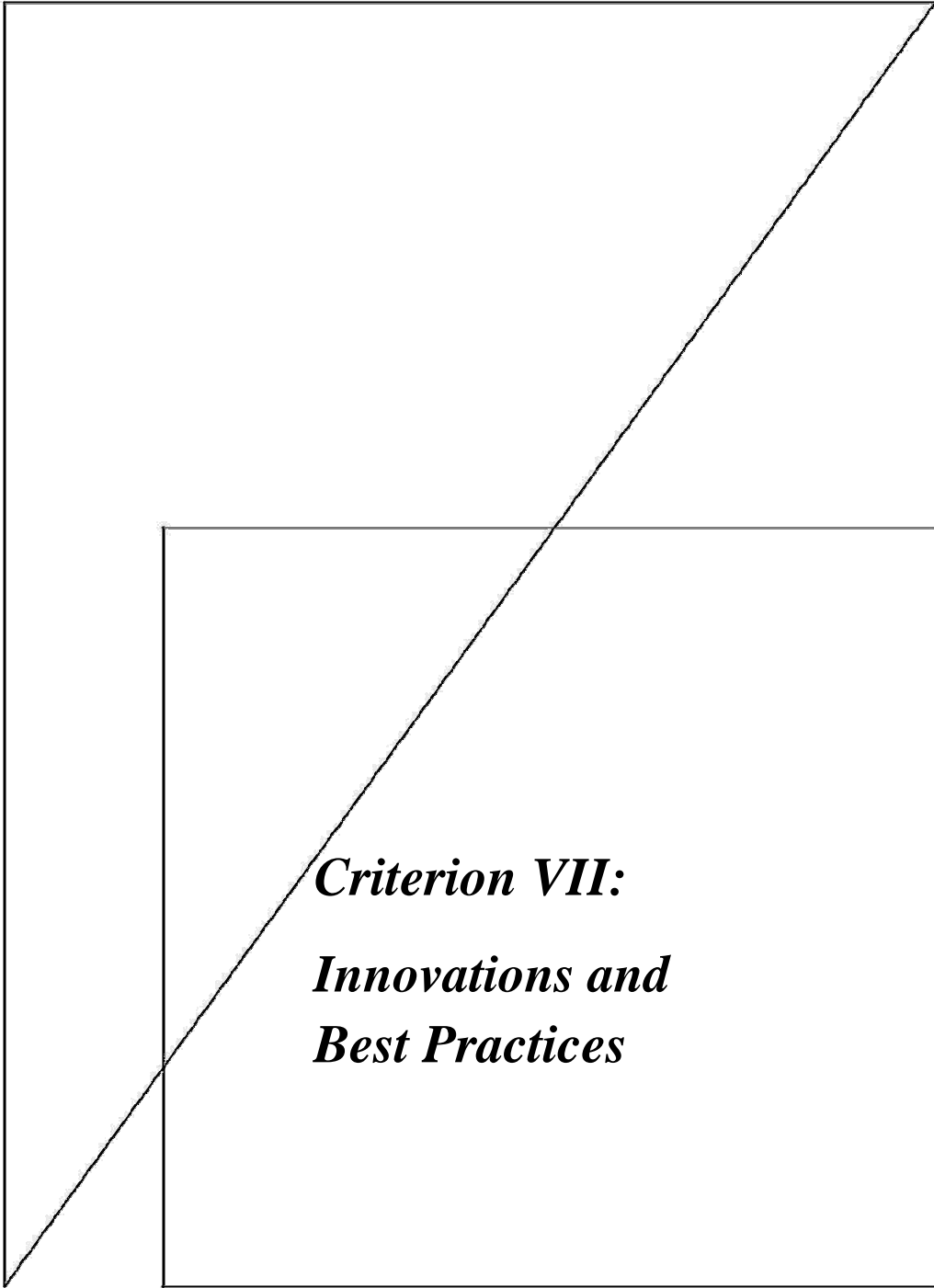
As per recommendations of the respective committees, a regular check of sterilization and infection control is done in collaboration with department of microbiology, to ensure a cent-per-cent sterility in clinical workstations as well as operatory areas. Additionally, Clinical cases are frequently assessed and analyzed by subject experts from various departments for any shortcoming in treatments rendered and if necessary, regular guidelines are issued to the concerned persons/teams/departments to ensure a quality clinical treatment given.

6.5.9 Has the college or hospital been accredited by any other national or international body?

Yes, the hospital is additionally accredited by ISO for delivering quality healthcare treatment.

6.5.10 Does the hospital have institutional and individual insurance schemes to cover indemnity claims?

Yes, health insurance for faculty and staff is from M/s Cholamandalam Insurance Co. Ltd. The institute has a valid group health policy cover as well as group personal accident policy cover for its employees from the above said firm.



Criterion VII:

***Innovations and
Best Practices***

CRITERION VII: INNOVATIONS AND BEST PRACTICES

7.1 Environment Consciousness

7.1.1 Does the College conduct a Green Audit of its Campus?

The Green audit is an official scrutiny of a Company/ Institution in terms of its impact on the environment. Though the college has not conducted a structured green audit, yet it is actively conscious regarding preservation and protection of the environment. All efforts are made to maintain a green and eco-friendly campus. Energy conservation modalities are put in action to minimize carbon foot prints generated by the institute. The authorities ensure that college activities should not blatantly harm the environment thus conserving its integrity. The institute has conducted tree plantation drives in the past to contribute significantly towards environmental protection. Smoke chimneys have been installed for Genset use. The institute is well equipped with a Sewage treatment plant (STP) to recycle water and use it for horticulture purpose. The college also has a robust waste management system where appropriate segregation of bio-medical waste is achieved in a well planned manner.

7.1.2 What are the initiatives taken by the College to make the campus eco - friendly?

The initiatives taken by the institute to make the campus eco-friendly are as follows:

Energy Conservation

As a part of CSR (Corporate Social Responsibility) initiative, the I.T.S-CDSR has put Energy Conservation Notices (Save Electricity Save Environment) near the every switch board in the institute as a gentle reminder to prevent unnecessary electricity usage.

- o Energy conservation by way of using LEDs and CFLs is practiced.

Use of Solar Panels and solar heaters is implemented.

Use of Air-conditioning units with Star-rating complying with industry standards is practiced at the institute. Optimizing the use of air-conditioners by regulated temperature settings is a standard procedure followed during summer season.

Use of Renewable energy

Solar panels installed on rooftop harnesses solar energy to generate electricity for lighting purpose at various places across the institutional campus. Also, priority is given upon using solar energy to provide hot water in both girls and boys hostels.

Water-Harvesting

Campus has 3 water harvesting systems which use rain water after filtration through grit to recharge the water table and encourage use of renewable sources of energy.

Solar Panels

There are a total of 325 Solar panels on rooftop of Dental OPD section of the institute, generating 86 KW of electricity; and around 168 Solar panels on rooftop of Bio-technology section, generating 44 KW of electricity. Thus, a total of 130 KW of electricity is generated which is distributed evenly via control panel room. Apart from this, the hostels in campus are equipped with solar panels for purpose of heating water during winter season.

Efforts for Carbon Neutrality

- Plantation of trees in and around the campus is constantly endorsed.
- Car pooling by staff and students for transport and conveyance is encouraged for carbon fuel conservation.
- Use of non-biodegradable plastic is discouraged inside the campus and emphasis is centered upon use of bio-degradable materials.
 - No burning of waste in the campus is permitted, rather a proper municipality disposal service is subscribed to address this issue.
 - Efforts to minimize wastage of paper by using Orion software for OPD have been materialized, and use of bio-metric for staff attendance has gradually abolished paper based records. Additionally, integrated ERP software to deal with student attendance, online management of staff leaves, and online circulation of circulars/information using college email-id has drastically reduced the usage of paper thus promoting energy conservation.
- In cases involving inevitable paper use, using paper on both sides for printing, utilizing rough papers, and taking draft print-outs etc are practiced so as to limit paper consumption.
- Car parking sticker to Staff and Students is issued only after verification of PUC (Pollution under control) certificate.
- Water alarm systems for overhead water tanks are effectively installed which promptly indicate the water level in the tank. This prevents undue overflowing of water, thus adding to water and power conservation.
- Power on-off alarm system for Gensets indicates aptly when to switch off/on the generators when there is presence or absence of electricity, thus conserving the fossil fuel required for running Gensets.

Plantation

The campus has plenty of trees and plants of both medicinal and herbal significance. New varieties of saplings are planted on regular basis. It not only compliments the beauty of the campus, but assures a pollution free, green and eco-friendly environment.

Bio-Hazardous Waste Management

The institute linearly abides by Bio-Medical Waste Management Rules, 2016 as per the Government of India notification. Bio-medical waste segregation is completed at source i.e. clinical work station and all the students as well as staff are encouraged to dispose waste as per color coding guidelines. Well designed posters depicting color coding near dustbins for proper disposal of waste are displayed at appropriate places. The waste is collected from each department by auxiliary staff with induction of adequate safety measures and handed over to Bio-medical waste disposal agency (M/s Synergy Waste Management Pvt. Ltd.). The auxiliary staff members as well as faculty in-charge of each department are periodically trained regarding importance and proper management of bio-medical waste.

E-waste Management

The institute is in process of channelizing e-waste to vendor authorized by U.P. Government in accordance to E-Waste Management Rules, 2016.

Effluent treatment and recycling plant

There are 2 Sewage Treatment Plants (STP) near the Boy's Hostel in the campus, each having a capacity of treating 50 KL/day. Water after effluent treatment is used for horticulture purpose.

Recognition/certification for environment friendliness

Presently, the institute is not supported by certification from any recognized body, but indigenous efforts to institutionalize the campus as a smoking and honking free zone are put into action routinely.

Any Other

Paperless working –The institute is steadily making efforts since recent years, in phase wise manner, to reach the intent of virtually paperless in following process:

Necessary actions have been undertaken to reduce use of paper by maintaining OPD data and patient records on Orion software.

- Integrated ERP software is used to deal with student attendance.
- Use of Student Feedback Software to address student grievances is actively followed.

Online centralized departmental requirement and complaint management system (Almighty Helpdesk System) is practiced.

Power-points of lectures are e-mailed to students instead of giving hand-outs, thus preserving paper.

Online management of staff attendance, leaves, pay slips etc using Employee Management Software have considerably diminished paper usage.

Issuing circulars/information exclusively via email to save paper is a regular feature of institutional mechanism.

Additionally, paper is reused by printing on back side whenever possible.

7.1.3 How does the institute ensure that robust infection control and radiation safety measures are effectively implemented on campus?

The institute ensures that infection control and radiation safety measures are implemented and practiced in an efficient way as per following headings:

Infection control protocol

Each department follows a stringent sterilization and disinfection protocol.

Every department has a separate sterilization room and an assigned auxiliary staff for sterilization whose work is supervised by a faculty in-charge.

All the students deposit their clinical instrument pouches during morning hours for sterilization before beginning to work on the patients.

Every department maintains a register of sterilization records, which is duly signed by faculty-in-charge.

Fumigation of clinical area of each department is done every week and reported to the Department of Microbiology for swab testing purposes.

Samples (Swab testing and Settle plate method) are taken by micro-biology department to evaluate effectiveness of fumigation.

Sterilization pouches with indicators are used to assess the effectiveness of each sterilization cycle. Biological testing is done after every 6 months by the Department of Micro-biology.

Each department follows Bio-Medical Waste Management Rules, 2016 as per the Government of India notification.

Regular training is given to auxiliary staff regarding infection control and waste disposal measures.

Protective measures like gloves, face-masks, sterile scrubs etc are used by students, faculty and auxiliary staff while managing patients to prevent cross-infection and any associated nosocomial infection.

Radiation safety measures

The institute aims in persuading various radiation safety principles to ensure minimal exposure, both to the patient and the healthcare worker.

All the X-ray machines are AERB (Atomic energy regulation board) certified. The radiography room construction is strictly as per the AERB guidelines. Radiation protection wear including, lead screens lead apron, thyroid collar, lead gloves, gonad shields and eye wear are used for radiation defense. The doors and glasses of the facility are lead coated to reinforce radiationsafety.

Patient waiting area is kept away and finelydelineated from the area of radiation exposure.

Use of digital radiography further reduces the amount of radiation exposure and also eliminates the use of X-ray films.

All the departments follow ALARA (As Low As Reasonably Achievable) principles for minimizing the radiation exposure.

In addition to these measures, all the concerned staff wear a dosimeter badge to evaluate the amount of radiation exposure gained, which is further sent to the BARC (Bhabha Atomic Research Centre), every 3 months for determining the radiation exposure of the personnel.

7.1.4 Has the institution been audited / accredited by any other agency such as NABL, NABH, etc?

The institute is empanelled with the ECHS (Ex Service Men Contributory Health Scheme) facility whichwas inspectedby the NABH (Constituent Board of Quality Council of India) on 15th march 2014 to provide General Dental Services and Specialized Services in Oral and Maxilla Facial Surgery, Periodontia, Prosthodontia, Endodontia, Orthodontia and Pedodontia (Recommendation No.2014-0344).

The institute is also ISO (9001:2008) certified for providing standard and quality services (License No. CRO/QSC/L-8003212.1).

7.2 Innovations.

7.2.1 Give details of innovations introduced during the last four years which have created a positive impact on the functioning of the institution.

Innovations For Paper-Less And Transparent Working:

Over recent years, several actions have been initiated to improve and augment the working efficiency of the institute. Routine operations of the institute are facilitated lately by incorporation of high end software programs. These software programs have not only improved functioning but have also render the system more transparent. Examples are:

Orion Software:

Patient management software is now being used extensively to improve patient care, reduce waiting times and monitor work output of the students. All diagnostic and treatment records of the patient are uploaded in the software and can be viewed and accessed from all the departments. Requirements as well as consumption of consumable and non-consumable items are uploaded through the software. The software has made the functionality of the institute eco friendly, since the records are retained online. The software is a major step towards the institution's effort to go paper-less.

Employee Management Software:

The software is used to manage salary and leaves of employees. Login ID is generated for each employee through which they can access their leave records, apply for leaves and check the status of approval of the leaves by higher authorities. This software also generates e-salary slips for the benefit of the employees.

Twak-To Software:

The software is a chat portal through which online chatting is done to provide college information to the students as well as their parents. It has dedicated portal for interaction between student-teacher, teacher-parent and patient-doctor platforms. The software is designated to solve the problems of students, related to both academics and as well as hostels. Parents are endowed with the information of the activities of their wards and equally about their progress. Patients can communicate with the doctor also via this software and solve their queries pertaining to dental treatment.

Almighty Help Desk:

All complaints regarding maintenance matters of the institution are lodged through this software. The software has a time bound escalation system for unresolved complaints which ascend up to the highest levels of management in case of complex issues.

Online Public Access Catalogue:

A new online book access system is deployed at the central library for quick and convenient retrieval of listing in the books available in the central library. The user can search for books by the name of the author, subject or publisher. The system provides information about the availability of books, number of copies available and also precise location of the book in the library. If book is already issued, then details of the issuer can be immediately accessed. A smart panel has also been installed for accessing this feature.

Library Automation Software- Alice For Windows:

This software is installed for effective management of the central library. Circulation of books, i.e. book issue and return is done through Alice software. Upon scanning the identity card of the user, the software displays the user's information page which is then used to issue the book. The return date is also displayed automatically.

Student Feedback Software For Employee:

This software is used to obtain feedback by the students. Students are instructed to give feedbacks regarding the faculty and also about the problems they are facing, so that necessary action can be taken to resolve the problem in an appropriate manner.

Research Centre:

A state-of-the-art research centre has been established in the institution to facilitate research activities by the name of Center for Advanced research. The availability of research facilities in the premises of the institute motivates more research programs to be undertaken by ensuring easy accessibility for the students as well as patients. A detailed research protocol is prepared and presented before the research committee of the institute as well along with the ethical committee to standardize procedures and ensure that all projects are laid down on ethical norms simultaneously safeguarding the welfare of patients. An array of research equipment is available in the research center to support research in dynamic fields like Microbiology, Proteomics, Genomics, Bio-chemistry such as PCR, ELISA, Electrophoresis unit and Metallurgical sciences.

Sabbatical Program:

Any faculty member who wishes to pursue higher studies can avail sabbatical leaves and subsequently return to join the institute.

IV. Video Conferencing:

Logitech CC300E system and Skype, enables video and audio calls. Live surgeries can be very well demonstrated to students via these modes of interaction, which lubricates learning to a great extent.

Student Appreciation:

Meritorious students are awarded after each professional examination which includes medals, cash prizes and certificates. In addition to this, students having maximum attendance and those showing remarkable improvement in academics are also awarded.

Academic improvement awards: The students showing marked improvement in their relative academic performance compared to previous year are also awarded.. This unique practice makes the award program more inclusive, wherein students are encouraged and motivated to improve their performance to the best attainable level.

A Young Researcher Award has been instituted to motivate students to innovate and develop new techniques in sphere of Dental education, technology and innovation. Technical support is provided by the college. Progress is evaluated at two year intervals and adequate assistance is given in marketing the project. A financial grant of 45,000 INR is given to four students per year. After initial screening by the Scientific advisory board, two undergraduate and two postgraduate students are selected who receive the grant of 10,000 INR each. Thereafter, progression of the research project is evaluated after 6 months and additional grant of 10,000 INR is given. Projects showing successful completion are further granted 25,000 INR.

VI. Orientation Program:

Before the beginning of the BDS and MDS courses, an orientation program is conducted for both parents and students through which they are introduced to the faculty, made aware of the facilities available at the campus and also regarding the scope and requirements of the prospective course. The students are also informed about the various committees instituted for their welfare. All the queries of parents and their wards are also addressed and nullified.

VII. White Coat Ceremony:

The White Coat Ceremony is an annual tradition marking the entry of students into the clinical program, which is unique to the institute. During the ceremony, deans and faculty members cloak students in their first white coat as a symbol of trust being conferred upon them to carry on the noble profession of dental medicine in treating patients.

VIII. Early Clinical Induction Program:

The under-graduate BDS students of first and second year are sent on weekly basis to the clinical departments in rotation in small number

of batches. This is an innovative of the institute attempt to familiarize them from the very beginning about the clinical aspects of each dental specialty, the working of the respective departments and the type of cases being handled in respective department. They are also acquainted with the practical aspects, such as working of dental chairs, patient movement in the hospital and communication with patients. This practice is anticipated to make the transition from the theoretical domain to the practical learning easier, when the students enter clinics in the third year of the course.

IX. Compulsory Library Hours:

The college has prescribed compulsory library hours for the undergraduate students on a weekly basis. It is mandatory for the students to sit and read in the library according to a prescribed time-table. The students can research the topics of their interest and familiarize themselves with the vast collection of books and journals available in the library. This also gives them an opportunity to access reference books and current issues of journals which are not usually issued.

7.3 Best Practices

7.3.1 Give details of any two best practices that have contributed to better academic and administrative functioning of the institution.

PRACTICE - ONE

Title of the Practice:

Computerized Patient Management System – ORION Software

Objective of the Practice:

To Efficiently streamline overall Patient Management including Outdoor and Indoor Admissions, Old and New Registrations, Appointment Scheduling, Departmental Referral and Intercommunication, and Billing.

To Reduce overall Patient Waiting Time.

Digital Storage of Patient Health Records.

Patient Education.

To reduce carbon footprint

The Context:

The ITS Centre for Dental Studies and Research, Muradnagar, being one of the sole Tertiary Care Institutions in immediate regions of Adjoining Ghaziabad City, with Satellite Centers in the entire district, has recorded a significant growth in number of Patient admissions after every consecutive year. The customary protocol of Patient Data Entry, Referral and Billing

in form of Record sheets was proven but time consuming and inadequate in terms of swift retrieval and analysis.

To address these issues and realizing an intrinsic demand for a well structured patient management system, ORION Software was designed and implemented to _unify and subsequently nullify_ grey areas of record sheet patient management such as disproportionate charging, thus to improve transparency and also to synchronize Clinician, Patient and Allied facets of Hospital Functioning.

The Practice:

Patient Management has always been an integral part of Dental Education System. As soon as students enter Clinical Sessions starting BDS III professional year, they are exposed to the basics of Patient Management including correct patient data acquisition and entry, patient referral, and interdepartmental communication in cases needing multidisciplinary treatment. The ORION Software is specifically developed taking in consideration of requirements of Undergraduate (UG) and Postgraduate (PG) students. A Unique Serial number is allotted to every new patient registering for the first time at Central Registration Counter. For citation purpose, the names of UG and PG Students are regularly updated in software along with respective faculty as Clinician or Consultant. Students get a highly interactive platform to learn all aspects of patient management via ORION Software as they can educate patient with easy to use tools, schedule appointments and review a systematic progress of treatment done.

Apart from this, Centre for Advanced Research, Satellite Centers, Oral Pathology Lab, and Hematology Lab are digitally connected via ORION Software that helps to rationalize the overall Patient load in an organized manner. The Software has been scrupulously structured to reduce patient waiting time. Inclusion of all Departments and associated units has led to a _single window_ operating system for patient management.

Evidence of Success:

The ORION Software has regulated the Patient Management in an organized pattern. Category wise treatment reports are generated at the end of every working day and analyzed for any discrepancy with respect to work step completion, treatment done and bill generation. The Patient waiting time has been drastically reduced and this has in turn increased the daily output as well as better patient record maintenance.

Problems Encountered and Resources Required:

Although ORION Software has been a backbone of patient management since implementation, inevitable errors in form of software update pertaining to treatment options and management information reports have been encountered which are rapidly resolved by The IT Team of I.T.S-CDSR. A Regular meeting headed by the Director PG Studies is held every month to review entire working of ORION Software and appropriate revisions are done on evidence based scenario. Upon introduction of ORION, a gradual channelization of patient records was a subtle hurdle since paper based records were in continuation simultaneously, which is eventually streamlined now. Additionally, because of the lack of adequate technical proficiency of staff, there has been short lag in training manpower for acquainting them with nuances of software functioning. Application tutorials have been consistently conducted for all respective personnel in conjunction with an allotted computer operator for assisting in department wise e-governance enforcement measures.

PRACTICE - TWO**Title of the Practice:**

Integrated Academic Reinforcement and Curriculum Revision (IARCR) Practice.

Objective of the Practice:

To fortify and rejuvenate existing methodologies of teaching-learning process by continued innovation, focused primarily to actively involve clinical as well as non-clinical departments for exhaustive dissemination of evidence based knowledge.

To promote exchange of interdisciplinary ideas.

To keep students updated with latest Trends and advancements in Clinical Dentistry and also familiarize them with molecular and genetic aspect of oral disease.

The Context:

Dental Science is a dynamic research based field with new developments occurring around the globe every year. To keep abreast with the recent advancements and to broadcast clinical knowledge amongst all specialties, introduction of IARCR Practice addressed this context in a well thought-out way. The Concept of IARCR is based on core philosophy of integrated learning via consistent up gradation of existing syllabi and incorporating newer facets of educational learning techniques such as Medical Education Technology (MET) in form of MS

Powerpoint Presentations. Active Participation of Students and Faculty creates a highly competitive environment resulting in rich transactions of knowledge, treatment practices and alternative viewpoints.

The Practice:

The context of IARCE is practiced in letter and spirit. Curriculum enrichment is ensured in form of a minimal 5% addition of new Study material every academic year. Simultaneously, Personality development and English language classes are held at regular intervals to help weak students cope up with essential communication and interpersonal skills.

Integrated teaching is duly practiced in form of Clinical Grand Rounds, Interdepartmental meetings viz. Ortho-OS, Clinico-pathological meet and Ortho-Pedo seminars, Tumor board meetings of OOO, where cases are discussed at length with no repetition in presentation. Also, advanced treatment modalities like CBCT, Oral Implantology, Lasers and PCR are not merely restricted to departmental learning, rather they are kept open for learning to students of all departments which results in a collaborative educational experience.

Another facet to integrated teaching is the coordination between various departments to teach different aspects of a topic simultaneously, for example, the concepts of anatomy, physiology and pathology of TMJ may be taught concurrently with clinical exposure to these cases through early induction program. ‘Early Induction of Undergraduate Students’ is a unique concept introduced under the patronage of IARCE, newly by the institute, wherein first year and second year BDS students are posted on rotational basis in dental clinics. The key objective of this scheme is to accustom the fresher students with the world of clinical dentistry, by letting them closely discern the day-to-day proceedings of patient management.

Students under this scope of practice are greatly encouraged; beginning from first year BDS year itself, where they are permitted to attend and observe clinical sessions of each department in a yearly scheduled posting roster. The faculty is assigned duty to address any doubt or query raised by the inquisitive young minds while the latter closely observe real-time clinical practice of Dentistry. Practice Management Seminars and Workshops are conducted at the institute to help learn students regarding various nuances of building a sturdy practice. These workshops are conducted by reputed National Faculty.

Finally, The Interns are thoroughly guided to prepare for higher education i.e. MDS, as they are allowed to sit for Mock Online MCQ examination on pattern of MDS entrance examination, at no additional cost

Evidence of Success:

The practice has been in continuation for a substantial amount of time now and has shown a vast improvement in clinical skills of students while delivering comprehensive oral health care. The students have benefitted immensely from this practice with proven track records in terms of academic increments achieved. These improvements are reflected as students tend to gain better scores in examinations from previous year.

The students during the course of their formal education elicit better patient care, improved diagnostic skills, better confidence and greater control over their treatment plans. The university rank holders, number of students participating in foreign exchange programs and receivers of extra-mural grants are a clear indication of the successful IARCE Practice.

Problems Encountered and Resources Required:

The institute has encountered problems in relation to curriculum enrichment only in those areas where crucial decisions pertaining to revision and inclusion of additional courses are called for. This is attributed to the very fact that the institute lacks autonomy, since it is governed by rules and regulations of the Chaudhary Charan Singh University and the Dental Council of India. Yet the institute has time and again suggested the above stated regulatory bodies on timely conduct of examinations and conducting quality professional enhancement courses extending beyond the recommended curriculum of undergraduate and postgraduate courses.



***EVALUATIVE REPORT
OF THE DEPARTMENTS***

DEPARTMENT OF ORAL MEDICINE AND RADIOLOGY

Name of the Department

Department of Oral Medicine and Radiology

Year of

establishment: 2000

Is the Department part of a college/Faculty of the university

Department is a part of ITS Dental College, Muradnagar, Ghaziabad, which is affiliated to Chaudhary Charan Singh University, Meerut.

Names of programs offered (UG, PG, Pharm D, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.)

UG- BDS

PG- MDS

Interdisciplinary programs and departments involved

Department conducts hands on workshop and comprehensive CBCT training program for the post graduates of all the specialities. Monthly clinico-pathological conferences conducted each month in affiliation with Department of Oral and Maxillofacial Surgery and Oral Pathology. A common interesting special case is discussed with involvement of all the postgraduates and faculty of these departments. The presentation is followed by comprehensive discussion and question round in relevance to the case.

Courses in collaboration with other universities, industries, foreign institutions, etc.

Four postgraduate students attended the comprehensive implantology program conducted in collaboration with Bioner implants and recognized by ICOI (International Congress of Oral Implantologists).

Details of programs discontinued, if any, with reasons Nil

Examination System: Annual/Semester/Trimester/Choice Based Credit System

BDS: Annual university examination system, internal assessment in each trimester

MDS: University exam after 3 years

Participation of the department in the courses offered by other departments

The postgraduate students have been a part of various courses offered by other departments in the college such as:-

Postgraduate students attended one day hands on workshop on genomic DNA isolation and PCR, organised by Department of Oral Pathology on 12th December 2016.

Comprehensive implant course conducted by the Department of Prosthodontics under the following modules:-

First module: 18-20th July 2016

Second module: 8-10th August 2016

Third module: 6-8th September 2016

Fourth module: 3-6th October 2016

Final year postgraduate students attended the practice management workshop conducted by Department of Conservative Dentistry and Endodontics on 27th-28th August 2016.

Post graduate students attended, CDE on clinical photography by Department of Orthodontics held on 22st January 2016.

All the post-graduate students attended the pharmaco-vigilance workshop conducted by the Department of Pharmacology on 29th May 2012.

Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned (As per DCI requirement for 2 units)	Filled
Professor	2	2
Associate professor/Reader	4	3
Assistant professor/ Senior lecturer	2	4
Tutor	0	4

Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

S. No.	Name	Qualification	Designation	Area of specialization	Experience
1	Dr.Upasana SethiAhuja	M.D.S.	HOD, Professor	Oral Medicine and Radiology	10 years
2	Dr.Manisha Lakhanpal	M.D.S.	Professor	Oral Medicine and Radiology	09 years 11 months

3	Dr. Honey Arora	M.D.S.	Reader	Oral Medicine and Radiology	09 years
4	Dr. Manu Dhillon	M.D.S.	Reader	Oral Medicine and Radiology	06 years 05 months
5	Dr. Rangoli Bhargava	M.D.S.	Reader	Oral Medicine and Radiology	05 years 04 months
6	Dr. Siddharth Srivastava	M.D.S.	Senior Lecturer	Oral Medicine and Radiology	03 years 06 months
7	Dr. Akshay Rathore	M.D.S.	Senior Lecturer	Oral Medicine and Radiology	02 years 05 months
8	Dr. Shruti Garg	M.D.S.	Senior Lecturer	Oral Medicine and Radiology	02 years 03 month
9	Dr. Swati Gupta	M.D.S.	Senior Lecturer	Oral Medicine and Radiology	02 years 02 month
10	Dr. Sanjoo Rani	B.D.S.	Tutor	BDS	06 months
11	Dr. Sharmistha	B.D.S.	Tutor	BDS	04 months
12	Dr. Pratigya Singh	B.D.S.	Tutor	BDS	03 months
13	Dr. Saima Anwar	B.D.S.	Tutor	BDS	01 year 07 months

For research under guidance refer to Question no. 28

List of senior Visiting Fellows, adjunct faculty, emeritus professors

Nil

Percentage of classes taken by temporary faculty – program-wise information

There is no temporary faculty associated with the department.

Program-wise Student Teacher Ratio

B.D.S- 7:1
M.D.S- 5:9

Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

S. No.	Sanctioned	Filled
Support staff(technical)	6	6
Administrative staff	3	3

Research thrust areas as recognized by major funding agencies

Nil

Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

Nil

Inter-institutional collaborative projects and associated grants received a) National collaboration b) International collaboration

Nil

Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received

Nil

Research facility / centre with :
State recognition
National recognition
International recognition

In-house state-of-the-art research centre is available in the institution, facilities of which are being utilized by the department.

Special research laboratories sponsored by / created by industry or corporate bodies

Nil

Publications:

Number of papers published in peer reviewed journals (national / international)

58 (National 44, International14)

Year-wise list of publications

2011

Mohan RP, Dhillon M, Gill N. Intraoral venous malformations with phleboliths. Saudi Dent J. 2011;23(3):161-3.(Pub med indexed)
Dhillon M, Agnihotri PG, Srinivasa M Raju, Lakanpal M. Pleomorphic adenoma of the palate: clinic radiological case report. Journal of Indian Academy of Oral Medicine and Radiology.2011;23(3):286-88.

- Sethi U, Jain V, Ahuja A, Dua S. Amelogenesis Imperfecta: A report of two cases. *JIDA*.2011; 5(4):502-05.
- Sethi U, Jain V, Ahuja A, Dua S. Preventing Infective Endocarditis: Guidelines for Dentists. *JIDA*. 2011;5(4):546-8.
- Shetty DC, Ahuja P, Taneja DK, Rathore AS, Chinna S, Ahuja US, Kumar K, Ahuja A, Rastogi P. Relevance of tumor angiogenesis patterns as a diagnostic value and prognostic indicator in oral precancer and cancer. *Vasc Health Risk Manag*.2011;7:41-7. (Pub med indexed)
- Jain V, Sethi U, Dua S, Ahuja A, Wali BG. Hallermann-Streiff Syndrome: A Rare Case Report. *Journal of Indian Academy of Oral Medicine and Radiology*. 2011; 23(3):237-240.
- Sahai S, Kaveriappa S, Arora H, Aggarwal B. 3-D imaging in post traumatic malformation and eruptive disturbance in permanent incisors: a case report. *Dent Traumatol*. 2011;27(6):473-77. (Pub med indexed)
- Sahai S, Arora H, Aggarwal B. CT imaging in bisphosphonate – associated mandibular osteonecrosis: case report, pathological correlates and review of literature. *Oral Radiol*.2011;27:64-7. (Pub med indexed)
- Sahai S, Rajan S, Singh N, Arora H. Congenital infiltrating lipomatosis of the face with exophytic temporomandibular joint ankylosis: Case report and review of literature. *Dentomaxillofac Radiol*. 2011; 42(3):16128745. (Pub med indexed)

2012

- Krishnamoorthy B, Suma GN, Dhillon M, Srivastava S, Sharma ML, Malik SS. Encysted *Teniasolium* larva of oral cavity: Case report with review of literature. *Contemp Clin Dent* 2012; 3(Suppl.2):S228–32. (Pub med indexed)
- Dhillon M, Raju SM, Verma S, Tomar D, Mohan RS, Lakhnani M, Krishnamoorthy B. Positioning errors and quality assessment in panoramic radiography. *Imaging Sci Dent* 2012; 42(4): 207-12. (Pub med indexed)
- Chauhan A, Nagarathna S, Agnihotri PG, Dhillon M. A chronic blistering disease, *Pemphigus vulgaris*. *Journal of Oral Sign* 2012; 4(1): 34-6.
- Jain V, Gupta S, Ahuja SU, Dua S, Poonam. Keratocystic Odontogenic Tumor (KCOT): A report of three Cases. *Asian J Med Clin Sci* 2012; 1(3):106-110.
- Ahuja A, Kotrashetti SM, Sethi U, Singh V, Jain V. Tissue Engineering in Oral & Maxillofacial Surgery. *IJMDS*.2012;1(1):14-22.
- More C, Gupta S, Joshi J, Varma S. J. Classification system for oral submucous fibrosis. *Journal of Indian Academy of Oral Medicine and Radiology*.2012; 24(1):24-9.

2013

- Krishnamoorthy B, Singh P, Gundareddy SN, Sharma ML, Dhillon M. Notching in the posterior border of ramus in a patient with

- neurofibromatosis type I – A case report. *J ClinDiagn Res.* 2013; 7(10): 2390-1. (Pub med indexed)
- Dhillon M, Mohan RS, Raju SM, Krishnamoorthy B, Lakhanpal M. Ackerman's tumour of buccal mucosa in a leprosy patient. *Lepr Rev* 2013; 84(2):151-7.(Pub med indexed)
- Lakhanpal M, Suma GN, Srivasata S, Malik S. Dilated Odontome as a 'Smiling' Mandibular Third Molar: A Case Report. *Journal of Dental Specialities.* 2013; 1(2): 85-88.
- Ahuja SU, Gupta S, Goel S, Jain M, Gupta P. See the Unseen – Building the True Cornerstone of Diagnosis. *Journal of Dental Specialties.* 2013; 1 (1):81-86.
- Jain V, Ahuja SU, Gupta S, Dua S. Glandular Odontogenic Cyst: A Rare case in Maxilla. *International Journal of Dental Practice & Medical Sciences* 2013;1(1): 40-46.
- Prakash A, Raghuwanshi B, Sabarad P, Bhargava R, Rai S. Beauty Of Forces in adult patient of class II Div II malocclusion. *UJMD.* 2013;2(1):013-018
- Ranjan V, Bhargava R, Bhargava R. Evidence Based Dentistry- A Review *Indian Journal of Contemporary Dentistry.* 2013; 1(1) 79-82.
- Ranjan V, Bhargava R, Sunil MK, Bhargava R. Ectodermal Dysplasia- A Case Report & Review of Literature *Journal of Dentofacial Sciences.* 2013;2(1):27-30.
- Ranjan V, Bhargava R, Bhargava R. Oral Sub Mucous Fibrosis- A Review *Journal of Maxillofacial Rehabilitation and Sciences.* 2013;2(1):30-5.
- Ranjan V, Bhargava R, Bhargava R. Nanodentistry- A Review. *Journal of Maxillofacial Rehabilitation and Sciences.* 2013;1(1):10-17.
- Bhargava R, Bhargava R, Ranjan V. Conceptual Facts and Myths of Single Visit Endodontics -A Review. *International Journal of Oral Health Sciences and Advances.* 2013;1(1):35-42.
- Bhargava R, Bhargava R, Ranjan V. Eagle's Syndrome – A Case Report *International Journal of Oral Health Sciences and Advances.* 2013;1(1):22-27.
- Bhargava R, Bhargava R, Ranjan V. Bilateral Ankylosis of Temporomandibular Joint – A Case Report. *International Journal Of Oral Health Sciences And Advances.* 2013;1(1):18-20.
- More CB, Das S, Gupta S, Bhavsar K. Mandibular adenomatoidodontogenic tumor: Radiographic and pathologic correlation. *J Nat ScBiol Med.* 2013; 4(2): 457-62.(Pubmed indexed)
- More CB, Gupta S. Osteochondroma of mandibular condyle: a clinico-radiographic correlation. *J Nat ScBiol Med.* 2013; 4(2):465-68.(Pubmed indexed)
- Arora H, Jain V, Pai KM, Kamboj R. Precision of dimensional measurements of mandible in different positions on orthopantomogram. *Ind J Dent Res.* 2013;24(1):52-5.(Pub med indexed)
- Kamboj R, Arora H, Pai KM, Suhas S. Rhabdomyosarcoma of the mandible. *Int J oral Med- sci.* 2013;12(3):204-08.

2014

- Nigam NK, Arvinda K, Dhillon M, Gupta S, Reddy S, Raju SM. Prevalence of oral submucous fibrosis among habitual gutkha and areca nut chewers in Moradabad district. *J Oral Biol Craniofac Res.* 2014; 4:8-13.(Pubmed indexed)
- Saxena D, Gupta A, Jurel S, Dhillon M, Tomar D. Rehabilitation of Digital Defect with Silicone Finger Prosthesis: A Case Report. *J ClinDiagn Res* 2014; 8:ZD25-7.(Pubmed indexed)
- Gupta R, Rajvanshi H, Effendi H, Afridi S, Vuyyuru KK, Vijay B, Dhillon M. Dental age estimation by Demirjian's and Nolla's method in adolescents of western Uttar Pradesh. *Journal of Head & Neck physicians and surgeons* 2014;3(1):50-6.
- Dhillon M, Kumar N, Tomar D, Sharma M, Goel S, Srivastava S. Carcinoma Ex Pleomorphic Adenoma Of Parotid Gland with Hepatic Metastasis: Clinic-Radiological Case Report. *J ClinDiagn Res.* 2014; 8(4):QD04-QD06.(Pubmed indexed)
- Garg S, Raghavan V, Dhingra R. Radiographic localization of impacted maxillary canines: A comparison of methods. *Journal of Indian Academy of Oral Medicine and Radiology.* 2014; 26(2):128-32.
- Garg A, Gupta S, Ahuja SU, Mittal S, Agarwal S. Down's Syndrome – A Review of clinical considerations and dental considerations: Case report. *American Journal of Advances in Medical Sciences.* 2014; 2 (3):59-66.
- Ranjan V, Bhargava R, Bhargava R. Nanodentistry- A Review. *Journal of Pearl Dent.* 2014;5(3):7-12.
- Dudeja P, Dudeja K, Lakhanpal M, Ali S. Endodontic management of a Haemophilic Patient: A clinical Perspective. *J ClinDiagn Res.* 2014; 8(7):ZD17-8.(Pubmed indexed)

2015

- Gn S, Sharma ML, Jk DR, Goel S, Srivastava S. Facial asymmetry in young adults with condylar hyperplasia-unusual changes in the facial bones. *J ClinDiagn Res.* 2015; 9(1):ZD21-3.(Pubmed indexed)
- Bagewadi S, Rastogi U, Garg S. Bony fusion of the maxilla and mandible as sequelae of noma: A rare case report. *Imaging Sci Dent.* 2015;45:193-8. (Pubmed indexed)
- More CB, Das S, Gupta S, Patel P, Saha N. Stafne's Bone Cavity: A Diagnostic Challenge. *J ClinDiagn Res.* 2015; 9(11):ZD16-ZD19.(Pubmed indexed)
- Garg A, Uday , Ahuja SU, Gupta S, Singh P. Radioactivity of Tobacco – Polonium and its sequelae in Oral Malignancy. *Journal of International College of Dentists.* 2015; 60(1):46- 52.
- Bhargava R, K Shashikala. Antibacterial Efficacy of three root canal sealers against *Enterococcus Faecalis* and *Candida Albicans*: An In Vitro Study. *SRM J Res Dent Sci.* 2015;6(3):170-74.
- Deoli A, Sharma ML, Kumar S. Honey and Aloe Vera: An Adjunct to Post Extraction Wound Healing. *International Dental Journal.* 2015; 65(Suppl.1):118-175.

Gn S, Sharma ML, Jk DR, Goel S, Srivastava S. Facial asymmetry in young adults with condylar hyperplasia-unusual changes in the facial bones. *J ClinDiagn Res.* 2015; 9(1):ZD21-3.(Pubmed indexed)

Suma GN, Arora MP, Lakhanpal M. Stem cell therapy: A novel treatment approach for oral mucosal lesions. *J Pharm Bioall Sci.* 2015; 7:2-8.(Pubmed indexed)

Bagewadi SB, Sharma M, Modi B, krishnamoorthy B, Baduni A. Oral manifestations of Hepatitis B and C: A case series with review of literature. *Journal of Dental Specialties.* 2015; 3(1):1-6.

2016

Mittal S, Nagendrareddy SG, Sharma ML, Agnihotri P, Chaudhary S, Dhillon M. Age estimation based on Kvaal's technique using digital panaraomic radiographs. *J Forensic Dent Sci* 2016;8:115. (Pubmed indexed)

Dhillon M, Raju MS, Raviprakash SM. Efficacy of Transcutaneous Electric Nerve Stimulation on Parotid Saliva Flow Rate in Relation to Age and Gender. *J Dent Shiraz Univ Med Sci* 2016;17:164-70.(Pubmed indexed)

Vyas T, BhargavaR, Sharma A. Comparative Study of Serum Lipid Profile Parameters for Oral Cancer and Non Oral Cancer Patients. *Int J Com Health and Med Res.* 2016; 2(2):49-55.

TyagiH ,Awasthi UR, Katyal P, Rathore A. Cone beam computed tomography in sialography – report of two cases. *Journal of DentalSpecialities.* 2016; 4(1):65-69.

Garg A, Ahuja SU, Saini A, Singh K. Assessment of Correlation of Lip Prints with ABO Blood Group. *Indian Journal of Dental Education.* 2016; 9(1): 9-14.

Saxena K, Mody BM, Rathore A. Cone Beam Computed Tomography guided surgical stent: a preimplant planning procedure, a pilot study. *J Oral MaxillofacRadiol* 2016;4:57-61. (Pubmed indexed)

Tomar D, Dhillon M, Thayath MN, Zaidi I, Singh S. Central Telangiectatic Osteosarcoma of the mandible in the pediatric patient: a Rarity. *J Clinical Diagn Res.* 2016; 10(12): XD0I-XD03.(Pubmed indexed)

Saxena K, Sharma ML, Vijay B, Dhillon M. Knowledge Attitude and Practice assessment of dental professionals towards Diabetes: a cross-sectional study. *Journal of Dental Specialities.* 2016; 4(2):113-18.

Gupta S, Sharma ML, Srivastava V, Dhillon M. Disposable mobile sleeves- a prospective barrier in dental clinic. *Journal of Dental Specialities.* 2016; 4(2):139-41.

• **Monographs:** Nil

Chapters in Books: Nil

• **Books edited:** Nil

Books with ISBN with details of publishers:

S.No.	Faculty Name	
1.	Dr. ManishaLakhanpal	Contributing author for : Goel S. Agarwal S. In: Fundamentals of Radiotherapy in head and neck cancer 1 st edn 2016 Renu publishers
2.	Dr. Manu Dhillon	Contributing author for : Goel S. Agarwal S. In: Fundamentals of Radiotherapy in head and neck cancer 1 st edn 2016 Renu publishers
3.	Dr. SiddharthSrivastav	Contributing author for : Goel S. Agarwal S. In: Fundamentals of Radiotherapy in head and neck cancer 1 st edn 2016 Renu publishers

Fundamentals of Radiotherapy in Head and Neck Cancer, ISBN: 978-93-85502-18-7,

Details of Publisher:

RENU-PUBLISHERS

OFC: 7/28, Room No: 208, Vardaan House, Daryaganj, New Delhi-110002

Branch OFC: 216, Flat-GC, Green Park, Narendrapur, Kolkata

Ph: 011-23256188

E-Mail: renupublishers@gmail.com

Website: www.renupublishers.com

Numbers listed in International database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database- International Social Sciences Directory, EBSCO host, Medline, etc.)

All the publications are listed in International database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database- International Social Sciences Directory, EBSCO host, Medline, etc.)

Citation Index

Faculty	Citations Since 2011	Number Of Publications	Average	Range	Department Average
Dr. Upasana S. Ahuja	02	05	0.4	0 to 14.75	2.65
Dr. Manisha Lakhanpal	42	11	3.8		
Dr. Honey Arora	01	05	0.2		
Dr. Manu Dhillon	63	23	2.7		

Dr. Rangoli Bhargava	5	10	0.5		
Dr. Siddharth Srivastava	6	04	1.5		
Dr. Akshay Rathore	0	01	0.0		
Dr. Swati Gupta	59	04	14.75		
Dr. ShrutiGarg	0	03	0.0		

SNIP

SJR

Impact factor- range/ average

H-Index

Name	H-index
Dr. Upasana S. Ahuja	01
Dr. ManishaLakhanpal	03
Dr. Honey Arora	01
Dr. Manu Dhillon	05
Dr. RangoliBhargava	01
Dr. SiddharthSrivastava	02
Dr. AkshayRathore	00
Dr. Swati Gupta	03
Dr. ShrutiGarg	00
TOTAL	16

H-Index- 16

Range - 0-5

Average- $16/9 = 1.78$

23. Details of patents and income generated

Same as number 24

24. Areas of consultancy and income generated

	2016	2015	2014
Number of patients	53,390	56,274	63,333
Income generated	13,25,024	7,42,479	40,718

25. Faculty selected nationally/ internationally to visit other laboratories/ institutions/ industries in India and abroad

- Dr. Manu Dhillon as Guest Speaker to Dr. B.R. Ambedkar Institute of Dental Sciences & Hospital, Patna on 21st May 2016 and 9th December. 2016.

Faculty serving in a) National committees b) international committees c) Editorial boards d) Any other (specify)

Dr.ManuDhillon is the member of editorial board for: Journal of Oral Sign, International Journal of oral and craniofacial science, International Dental Journal of Students Research, Journal of British Institute of Radiology(BJR-Case Reports)

Dr.ManishaLahanpal is the assistant editor for the journal of dental specialities.

Dr.SiddharthSrivastava is the member of editorial support team for the journal of dental specialities

Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs).

The faculty members regularly attend and are actively involved in leadership programs, teacher training workshops and CDE programs. Following is a detailed list of programs attended by the faculty.

DrUpasanaSethiAhuja

Attended 28th National Conference of IAOMR from 15th to 17th December 2016, held at Kanyakumari, Tamil Nadu.

Attended 28th Indian Society for Dental Research Conference held I.T.S Centre for Dental Studies and Research, Ghaziabad from 20th to 22nd November, 2015.

Attended National PG Convention of IAOMR at Chennai in 2015.

Attended 14th National Triple O symposium from 4th to 6th March 2016 at Subharti Dental College, Meerut UP.

Attended 12th National Triple O Symposium 2014, at Pacific Dental College, Udaipur (Rajasthan).

Organized —World No Tobacco Day 2014 in I.T.S Dental College, Hospital & Research Centre, Greater Noida.

Organized —World Hepatitis Day in I.T.S Dental College, Hospital & Research Centre, Greater Noida.

Attended 11th National Triple O Symposium 2013, September 6th to 8th September; 2013 at I.T.S. Dental College, Hospital & Research Centre, Greater Noida.

Attended Triple —O CDE program held at SGT Dental college, Gurgaon.

Attended National ISPD, Periorang, P.G. Conention held at I.T.S. Dental College, Hospital & Research Centre, Greater Noida on 1-3rd March; 2013.

Attended Summit on Sleep Apnoea held in Februray; 2013.

Attended 10th National IAFO Conference held on 8th-9th September; 2012 at I.T.S. Dental College, Muradnagar

Attended Clinic pathologic Conference of I.T.S –A.C.E. Academy was conducted by Department of Oral Pathology on —Mucoepidermoid Carcinoma of Palate.

Attended a Guest lecture on Antibiotics, held in I.T.S. Dental College, Hospital, Greater Noida.

Attended CDE Programme on Oral Cancer – Let's Integrate and Evolve held on August 1st 2012 at I.T.S. Dental College, Greater Noida.

Attended National Triple O Symposium held on 13-15th July; 2012 at Sardar Patel Postgraduate Institute of Dental Sciences, Lucknow.

Dr Manisha Lakhanpal

Attended 14th National Triple O symposium from 4th to 6th March 2016 at Subharti Dental College, Meerut UP.

Attended the Indian Dental Student Conference held at I.T.S Centre for Dental Studies and Research, Ghaziabad in March, 2016.

Attended 28th Indian Society for Dental Research Conference held I.T.S Centre for Dental Studies and Research, Ghaziabad from 20th to 22nd November, 2015.

Attended a lecture on Current Opinions in management of Bio-films and Periodontal diseases on 24th September, 2015 at ITS-CDSR Muradnagar

Attended the 16th IACDE and IES conference held at I.T.S. Centre for dental studies and research from 4th -6th June, 2015

Attended one-day workshop on _Current Trends in Education & IQA held at I.T.S Centre for Dental Studies and Research, Muradnagar in December, 2014.

Participated in the International Conference of Dental Specialties held at I.T.S Centre for Dental Studies and Research, Muradnagar on 9th and 10th May, 2014.

Attended and was part of the organizing team for the IDA student's national conference held at I.T.S-CDSR on 23rd and 24th November, 2013.

Attended CDE course on —Biomechanics Simplified at I.T.S Centre for Dental Studies and Research, Ghaziabad on 24th September, 2013.

Attended 11th national triple O symposium at I.T.S dental college greater Noida on 6th, 7th, 8th September, 2013

Attended the —15th Postgraduate convention of Prosthodontics held at I.T.S Dental College, Muradnagar from 14th -16th June, 2013.

Attended a certified hands on course on —Zygomatic Implants-Surgical and Prosthetic Concepts held at I.T.S. Dental College and endorsed by Association of Oral and Maxillofacial Surgeons of India on 11th and 12th August 2012

Attended the 26th PFA-Colgate CDE Programme organized by Pierre Fauchard Academy at I.T.S.-CDSR Muradnagar on 15th December 2012.

Attended 10th national conference of Indian association of Forensic Odontology held at I.T.S.-CDSR Muradnagar on 7th, 8th and 9th September, 2012.

Attended a workshop on —Pharmacovigilance and Basic life support held on 29th May 2012 in the Department of Pharmacology at I.T.S.-CDSR Muradnagar.

Attended CDE on An Update On common potentially malignant disorders of the oral cavity on 15th February, 2012.

Dr. Honey Arora

Attended 26th National conference of IAOMR 21ST – 23rd November, 2014 at Mangalore.

Dr Manu Dhillon

Attended 14th National conference of IAFO from 23rd to 25th September 2016 at Chandigarh.

Attended National PG Convention of IAOMR on 20th and 21st August 2016, held at New Delhi.

Attended 14th National Triple O symposium from 4th to 6th March 2016, at Subharti Dental College, Meerut UP.

.Attended the Indian Dental Student Conference held at I.T.S Centre for Dental Studies and Research, Ghaziabad in March, 2016.

Attended 28th Indian Society for Dental Research Conference held I.T.S Centre for Dental Studies and Research, Ghaziabad from 20th - 22nd November, 2015.

Attended a lecture on Current Opinions in management of Bio-films and Periodontal diseases on 24th September, 2015 at ITS-CDSR Muradnagar.

Attended the 16th IACDE and IES conference held at I.T.S. Centre for dental studies and research from 4th -6th June, 2015.

Attended one-day workshop on _Current Trends in Education & IQA held at I.T.S Centre for Dental Studies and Research, Muradnagar in December, 2014.

Participated in the International Conference of Dental Specialties held at I.T.S Centre for Dental Studies and Research, Muradnagar on 9th and 10th May, 2014.

Attended and was part of the organizing team for the IDA student's national conference held at I.T.S-CDSR on 23rd and 24th November, 2013.

Attended CDE course on —Biomechanics Simplified|| at I.T.S Centre for Dental Studies and Research, Ghaziabad on 24th September, 2013.

Attendend 11 th national triple O symposium at I.T.S dental college Greater Noida on 6th, 7th, 8th September, 2013.

Attended the —15th Postgraduate convention of Prosthodontics|| held at I.T.S.Dental College, Muradnagar from 14th -16th June, 2013.

Attended a certified hands on course on —Zygomatic Implants-Surgical and Prosthetic Concepts|| conducted by Nobel Biocare at I.T.S. Dental College and endorsed by Association of Oral and Maxillofacial Surgeons of India on 11th and 12th August, 2012.

Attended the 26th PFA-Colgate CDE Programme organized by Pierre Fauchard Academy at I.T.S.-CDSR Muradnagar on 15th December ,2012.

Attended 10th national conference of Indian association of Forensic Odontology held at I.T.S.-CDSR Muradnagar on 7th, 8th and 9th September, 2012.

Attended 10th National Triple O Symposium from 13th to 15th July, 2012 at Sardar Patel Post Graduate Institute Of Dental And Medical Sciences, Lucknow, UP.

Attended a workshop on —Pharmacovigilance and Basic life support on 29th May, 2012 in the Department of Pharmacology at I.T.S.-CDSR Muradnagar.

Attended CDE on An Update On common potentially malignant disorders of the oral cavity on 15th February, 2012.

Dr. Rangoli Bhargava

Attended 14th National conference of IAFO from 23rd to 25th September, 2016 at Chandigarh

Attended National PG Convention of IAOMR on 20th and 21st August, 2016 held at New Delhi.

Attended 12th National Triple O Symposium at Udaipur on 8th and 9th March, 2014.

Attended 25th National Conference of IAOMR from 18th to 20th October, 2013 at Chandigarh.

Attended 24th National Conference of IAOMR from 23rd to 25th November, 2012 at King George Medical University, Lucknow, UP.

Dr. Siddharth Srivastava

Attended 28th National Conference of IAOMR from 15th to 17th December, 2016 held at Kanyakumari, Tamil Nadu.

Attended the Indian Dental Student Conference held at I.T.S Centre for Dental Studies and Research, Ghaziabad in March, 2016.

Attended 28th Indian Society for Dental Research Conference held I.T.S Centre for Dental Studies and Research, Ghaziabad from 20th -22nd Nov, 2015.

Teacher's Training Program —Workshop and Hands on conducted by Faculty Development Cell, ITS CDSR, Muradnagar, October 2015.

Attended a lecture on Current Opinions in management of Bio-films and Periodontal diseases on 24th September 2015 at ITS-CDSR Muradnagar

Attended the 16th IACDE and IES conference held at I.T.S. Centre for dental studies and research from 4th -6th June 2015

Attended one-day workshop on _Current Trends in Education & IQA held at I.T.S Centre for Dental Studies and Research, Muradnagar in Dec, 2014.

Successfully completed the hand-on workshop on CBCT at DrSahais Dental and Maxillofacial Diagnostics, Ghaziabad between 09.10.2014 to 12.10.2014

Participated in the International Conference of Dental Specialties held at I.T.S Centre for Dental Studies and Research, Muradnagar on 9th and 10th May, 2014.

Attended and was part of the organizing team for the IDA student's national conference held at I.T.S-CDSR on 23rd and 24th November, 2013.

Attended CDE course on —Biomechanics Simplified‖ at I.T.S Centre for Dental Studies and Research, Ghaziabad on 24th September, 2013.

Attended a certified hands on course on —Zygomatic Implants-Surgical and Prosthetic Concepts‖ conducted by Nobel Biocare at I.T.S. Dental College and endorsed by Association of Oral and Maxillofacial Surgeons of India on 11th and 12th August 2012.

Dr. Akshay Rathore

Attended 28th National Conference of IAOMR from 15th to 17th December, 2016 held at Kanyakumari, Tamil Nadu.

Attended 14th National conference of IAFO from 23rd to 25th September, 2016 at Chandigarh.

Attended the Indian Dental Student Conference held at I.T.S Centre for Dental Studies and Research, Ghaziabad in March, 2016.

Attended 28th Indian Society for Dental Research Conference held at I.T.S Centre for Dental Studies and Research, Ghaziabad from 20th to 22nd November, 2015.

Teacher's Training Program —Workshop and Hands on‖ conducted by Faculty Development Cell, ITS CDSR, Muradnagar, October 2015.

Attended a lecture on Current Opinions in management of Bio-films and Periodontal diseases on 24th September, 2015 at ITS-CDSR Muradnagar.

Attended the 16th IACDE and IES conference held at I.T.S. Centre for dental studies and research from 4th to 6th June, 2015.

Attended one-day workshop on _Current Trends in Education & IQA held at I.T.S Centre for Dental Studies and Research, Muradnagar in December, 2014.

Dr. Swati Gupta

Attended 14th National conference of IAFO from 23rd to 25th September, 2016 at Chandigarh.

Attended the Indian Dental Student Conference held at I.T.S Centre for Dental Studies and Research, Ghaziabad in March, 2016.

Attended 28th Indian Society for Dental Research Conference held at I.T.S Centre for Dental Studies and Research, Ghaziabad from 20th to 22nd November, 2015.

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Attended one-day workshop on _Current Trends in Education & IQA held at I.T.S Centre for Dental Studies and Research, Muradnagar in December, 2014.

Dr. ShrutiGarg

Attended the Indian Dental Student Conference held at I.T.S Centre for Dental Studies and Research, Ghaziabad in March, 2016.

Attended 28th Indian Society for Dental Research Conference held I.T.S Centre for Dental Studies and Research, Ghaziabad from 20th to 22nd November, 2015.

Attended a lecture on Current Opinions in management of Bio-films and Periodontal diseases on 24th September, 2015 at ITS-CDSR Muradnagar.

Attended the 16th IACDE and IES conference held at I.T.S. Centre for dental studies and research from 4th to 6th June, 2015.

Attended one-day workshop on _Current Trends in Education & IQA held at I.T.S Centre for Dental Studies and Research, Muradnagar in December, 2014.

Student projects**Percentage of students who have taken up in-house projects including inter-departmental projects -**

% - All post-graduate students undertake in-house projects which may involve other departments. The in-house projects may be divided into thesis and short studies as listed below.

Research conducted in-house including interdepartmental research.**A. List of thesis**

PG student	Topic	Guide	Co-Guide
Dr Siddharth Srivastav	Salivary proteomics in oral submucous fibrosis: a case control study	Dr. Suma GN	Dr. Bhuvana Vijay
Dr Karishma	A representative cross-sectional study of oral conditions among geriatric patients in a hospital set up	Dr. Bharat Mody	Dr. Manisha Lakhanpal
Dr. Akshay Rathore	Dental pulp volume- an indicator of age- a cbct study on mandibular teeth	Dr. Suma GN	Dr. Manisha Lakhanpal
Dr. Parul Singh	Orofacial alterations among adults with primary hypothyroidism	Dr. Suma GN	Dr. Bhuvana Vijay
Dr. Bhawna Yadav	Inter- relationship of anxiety, depression and dependence scales to the frequency, quantity and quality of areca nut chewing in quid form; a cross sectional study	Dr. Bharat Mody	Dr. Manisha Lakhanpal
Dr. Havi Sharma	Status of mental foramen in mandible using CBCT	Dr. Suma GN	Dr. Madhav Nagpal

Dr. Himani Bhardwaj	To correlate the frequency, quantity or type of betel nut usage to the clinical and histopathological staging in osmf with or without candida albicans	Dr. Bharat Mody	Dr. Bhuvana Vijay
Dr. Rahul Kukreja	Ultrasonography with color power doppler in diagnosis of jaw swellings-	Dr. Shivanand	-
Dr. Madhu Pruthi Arora	Effect of lycopene on oral micronucleated cell frequency in OSMF	Dr. Suma GN	Dr. Raghu Dhanpal
Dr. Aanchal Garg	Evaluation of familial inheritance patterns among families using cheiloscropy, rugoscopy and dactyloscopy – in population visiting a dental school in ghaziabad, uttar Pradesh	Dr. Bhuvana Vijay	Dr. RK Sharma
Dr. Apala Baduni	Evaluation of levels of estradiole levels and antinuclear antibody in patients with lichen planus – a double blind study	Dr. Bharat Mody	Dr. Manisha Lakhanpal
Dr. Himani Tyagi	The effect of physiotherapy and electrotherapy in the management of patients of oral submucous fibrosis - in population visiting a dental school in Ghaziabad, Uttar Pradesh	Dr. Bharat Mody	Dr. Manisha Lakhanpal
Dr. Ujjwala Rastogi	Age estimation in children by measuring open apices in teeth: study in western uttarpradesh population	Dr. Shivanand	-
Dr. Bipasha Das	Analysis of serum lipid profile in OSMF patients and assessment of its role as a prognostic indicator-A prospective study	Dr. Upasana S Ahuja	-
Dr. Gunjan Sinha	An electromyographic evaluation of orbicularis oris and masseter muscle in pretreatment and post treatment patients of OSMF-A prospective study	Dr. Manisha Lakhanpal	Dr. C S Ram
Dr. Kritika Saxena	To compare the efficacy of detection of early artificial dental caries by densitometric histogram evaluation compared with digital radiograph, conventional radiograph and direct visual examination - an in vitro study	Dr. Upasana S Ahuja	-
Dr. Priyanka Katyal	Clinical trial of curcuminoids, a chemopreventive agent on oral leukoplakia and its effect on frequency of oral micronucleated cells: A randomized control trial	Dr. Manisha Lakhanpal	Dr. Manu Dhillon
Dr. Ritu Singh	Affect of change of voxel size on diagnostic efficacy of CBCT in detection of condylar erosion in TMJ- In vitro study	Dr. Rangoli Bhargava	Dr. Vishal Modgil

DrParul Tikkoo	To compare the retro-molar space in vertically erupted and mesio-angular impacted mandibular 3 rd molar using CBCT and OPG	Dr. Upasana S Ahuja	
Dr Seema Rana Ahuja	Association between tooth loss and risk of dementia in Indian elders-A cross-sectional prospective study	Dr. Manisha Lakhanpal	Dr. Amoolya Seth
Dr Yogesh Bhardwaj	Use of 3D printing based on CBCT volumetric data in implant planning of surgical stent preparation	Dr. Upasana S Ahuja	Dr. Manisha Lakhanpal
Dr Jayant Gahlot	Assessment of anatomical variation of lingual foramen and its canal. A retrospective study	Dr. Manu Dhillon	Dr. Manisha Lakhanpal
Dr Anuridhi	Association between TMJ apparatus morphology and articular eminence pneumatization in symptomatic TMDs using CBCT.	Dr. Upasana S Ahuja	Dr. Akshay
Dr Akansha	A Comparative evaluation of Effectiveness of the Low Level Laser Therapy,UltrasoundTherapy and Transcutaneous Electric Nerve Stimulation in the treatment of patients with TMD:A Prospective Study.	Dr. Manisha Lakhanpal	
Dr. Manmeet Kour	Comparative evaluation of the efficacy of the diode lasers in both contact and non – contact mode and 0.1% Triamcinolone acetonide mouth paste in treatment of oral ulcers- an in-vivo study	Dr. Upasana S Ahuja	Dr. Siddharth Srivastava
Dr.Prateek Aggarwal	Accuracy assessment of linear measurements in mandible obtained by Cone Beam Computed Tomography at different voxel resolutions : A comparative in vitro study	Dr. Manu Dhillon	Dr. Swati Gupta

B. List of Short Studies:

PG student	Topic	Guide
Dr. Siddharth Srivasatava	Salivary pH in orofacial pain	Dr. Suma GN
Dr. Siddharth Srivasatava	Salivary pH in oral submucous fibrosis	Dr. Suma GN
Dr. Akshay Rathore	Pulp volume estimation using CBCT in six monoradicular teeth	Dr. Suma GN
Dr. Gunjan Sinha	Effectiveness of honey on punch biopsy wound	Dr. Manisha
Dr. Gunjan Sinha	Comapartive evaluation an effectiveness of oneycurcumin and antibiotic on punch biopsy wound	Dr. Manisha
Dr. Kritika	CBCT guided surgical stent, a preimplant planning procedure: a pilot study	Dr. BM. Mody

Dr. Kritika	Knowledge, attitude and practice assessment of dental professionals regarding manifestations of diabetes mellitus	DR. Manisha
Dr. Bipasha Das	Co-relation of mandibular inferior cortical index and panoramic mandibular index on digital panoramic radiographs with total serum calcium and maximum hand grip strength in the elderly – a prospective study	Dr. Manisha
Dr. Bipasha Das	Role of CBCT in the evaluation of osteoarthritic changes of TMJ	DR. Bhuvana
Dr. Priyanka Katiyal	Tobacco use and attitude towards tobacco cessation in reference to nicotine dependence – a cross sectional study	Dr. B. Mody
Dr. Priyanka Katiyal	Radiological measurements of articular eminence inclination- A cephalometric study	Dr, Manu Dhillon
Dr. Ritu	Comparison between specificity and sensitivity of liquid base cytology and conventional exfoliative cytology in oral cancer screening	Dr. Akshay
Dr. Ritu	Effect of change of legislation on prevalence of oral cancer patients	Dr. Bhuvana
Dr. Seema	Awareness of dental photography : A questionnaire based study	Dr. Manisha
Dr. Seema	Comparative evaluation of TENS and USG in TMD's	
Dr. Yogesh	Qualitative and quantitative analysis of oral candida in oral submucous fibrosis- A case control study	Dr. Siddharth
Dr. Yogesh	3D printing- a paradigm shift in presurgical planning	Dr. Manisha
Dr. Jayant	Comparative evaluation of prevalence and association of candida species in clinical types of leukoplakia and oral lichen planus: a vivo study.	Dr. Rangoli
Dr. Parul	Comparative evaluation of the effect of menstruation, pregnancy and menopause on the oral mucosal discomfort and salivary flow rate, pH and gustatory function	Dr. Upasana
Dr. Parul	To obtain and compare the prevalence of undiagnosed TMD and to determine the severity of TMD in different clinical professionals	Dr. Upasana

Percentage of students doing projects in collaboration with other universities/ industry/ institute-

19.23% students have additionally undertaken research projects in collaboration with other institutes.

S.NO	Name of Student	Topic	Other institutes in collaboration
1.	Dr Siddharth Srivastava	Salivary proteomics in oral submucous fibrosis: a case control study	AIIMS, New Delhi External Lab Based in Delhi
2.	Dr Akshay Rathore	Dental pulp volume- an indicator of age- a cbct study on mandibular teeth	DMD, Rajnagar, Ghaziabad
3.	Dr Madhu Pruthi Arora	Effect of lycopene on oral micronucleated cell frequency in OSMF	Jagsaon Pal Pharmaceuticals, Delhi.
4.	Dr. Havi Sharma	Status of mental foramen in mandible using CBCT	BR Diagnostics, New Delhi
5.	Dr. Aanchal Garg	Evaluation of familial inheritance patterns among families using cheiloscopy, rugoscopy and dactyloscopy – in population visiting a dental school in Ghaziabad, Uttar Pradesh	Saraswati Medical College, Hapur
6.	Dr Seema Rana Ahuja	Association between tooth loss and risk of dementia in Indian elders-A cross-sectional prospective study	Santosh Medical College, Ghaziabad.

Awards / recognitions received at the national and international level by

FACULTY

Dr. Manisha Lakhanpal:

National Award for best essay in faculty category for Indian Academy of Oral Medicine and Radiology, 2012.

Dr Manu Dhillon:

First Prize for paper presentation in Faculty category at National IAOMR PG Convention held at New Delhi in August 2016.
First Prize for paper presentation in Faculty category at 14th National —OI Symposium held at Subharti Dental College in March 2016.

Dr. Rangoli Bhargav:

Awarded overall best faculty paper presentation By Indian Academy of Oral Medicine And Radiology. Award name is —OMR study group of Mangalore award| August 2016.
Best faculty paper in the scientific session of National Pg Convention 2016 on August 2016.

Dr. Siddharth Srivastava

Dr Siddharth Srivastava and Dr. Manu Dhillon won First Prize for paper presentation in Faculty category in International Society of Dental Research conference held at ITS-CDSR.

Dr. Swati Gupta

Best paper award at XXIV National Conference of Indian Academy of Oral Medicine and Radiology held at Chandigarh in 2012

Best paper award at the National Postgraduate convention on Autoimmune Diseases of Orofacial region: Know More No Less..!! held at Gujarat in 2013.

PG-STUDENTS

Dr Akshay Rathore won best scientific paper award at National IAOMR PG Convention, 2012 vadodra, Gujrat.

Dr Parul Singh and Dr Sidharth Srivastava at 10th National —OOO Symposium, Lucknow 2012

Dr Havi Sharma and Dr Himani Bhardwaj won first Scientific Poster award at National IAOMR Conference Chandigarh 2012

Dr Rahul Kukreja won best scientific paper award at 12th National OOO Symposium, Udaipur, 2013

Dr Apala Baduni and Dr Ujjwala Rastogi won first Scientific Paper award at ISDC 2016

Dr Kritika Saxena won best Scientific Paper award at ISDC 2016

Dr Yogesh Bhardwaj and Dr Jayant Gehlot got 2nd prize on scientific poster presentation in ISDR Conference 2015

Dr Yogesh Bhardwaj and Dr Jayant Gehlot got best prize on scientific poster presentation in CDE program at SGT Gurgaon.

Dr Seema, Dr. Parul, Dr Yogesh Bhardwaj won best scientific paper award in National PG convention IAOMR held in Leela convention hotel, Delhi

Dr Ritu Singh won prize for best scientific poster in National PG convention IAOMR held in Leela convention hotel, Delhi

Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any

S.No	Title	Date	Source of Funding	Attended By
1	11 th National OOO Symposium (Conference)	6-8 th September	Registration Fee	400 Delegates
2	CBCT-An Integrated Post Graduate Clinical Training (Workshop)	1-5 th February 2016		50 delegates
3	CBCT-An Integrated Post Graduate Clinical Training (Workshop)	21-23 rd September 2016		50 delegates

A Code of ethics for research followed by the departments

All the research projects of the department are sent to the Institutional Research Committee to check for the feasibility and then forwarded to the Institutional Ethical Committee for approval. The Institutional Ethical Committee is recognized by the Government of India and follows the ICMR Ethical Guidelines for Biomedical Research on Human participants, 2006 and the Helsinki Declaration Human Medical Experimentation Ethics Document, 2008.

Student profile program-wise

Name of the Program	Application received	Selected		Pass percentage %	
		Male	Female	Male	Female
BDS					
2012	350	20	77	95%	96.7%
2013	263	26	74	88.46%	97.36%
2014	249	26	74	100%	98.64%
2015	292	23	77	Ongoing batch	
2016	263	14	47	Ongoing batch	
MDS					
2013	152	0	4	100%	100%
2014	132	0	4	Ongoing batch	
2015	109	2	3	Ongoing batch	
2016	136	1	3	Ongoing batch	

Diversity of students

Name of the Program	% of students from the same University	% of students from other University within the State	% of students From University outside the State	% of Students from other Countries
MDS 2012	20%	20%	60%	NIL
2013	100%	-	-	NIL
2014	-	25%	75%	NIL
2015	60%	20%	20%	NIL
2016	25%	-	75%	NIL

How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise

Nil

35. Student progression

Student progression	Percentage enrolled
UG TO PG	21.6%
PG TO M.PHIL, DM/	Nil
PG TO Ph.D	Nil
Ph.d to Post Doctoral	Nil
Employed	
❖ Campus selection	29.3%
❖ Other than campus recruitment	29.3%
Entrepreneurs	41.4%

36. Diversity of staff

Percentage of faculty who are graduates	
Of the same university	22%
from other universities within the State	11%
from universities from other states	67%
from universities outside the country	-

Number of faculty who were awarded M.Phil., DM, M Ch, Ph.D., D.Sc. and D.Litt. during the assessment period

Nil

Present details of departmental infrastructural facilities with regard to**Library :**

The department is equipped with a library which has 125 books of 68 titles and also stocks copies of all the thesis and library dissertations from previous years for ready reference.

Internet facilities for staff and students

Department is well connected with campus WiFi of 20 MBPS speed for internet access to staff as well as students. The students also have access to WiFi in their hostels after college hours.

Total number of class rooms

There are four classrooms in the college as per DCI requirement which are used by all the departments for conducting lectures for BDS students. In addition, the department is also equipped with a seminar room for post-graduate students.

Class rooms with ICT facility and „smart“ class rooms

All the classrooms are smart classrooms and have ICT facility. Two classrooms are equipped with smart boards.

Students' laboratories

Radiology lab. for the postgraduate students provide them the platform for taking radiographs and tracing the anatomical landmarks.

Research laboratories

In- house state-of -the-art research centre is available the facilities of which are being utilized by the department. The research centre has facilities for conducting research in the fields of genomics, microbiology, metallurgy, biochemistry and radiology

Centre for Advance Imaging equipped with the advance technology of CBCT and other digital imaging for updating their knowledge.

List of doctoral, post-doctoral students and Research Associates

- a) **from the host institution/university :** Nil
b) **from other institutions/universities :** Nil

Number of post graduate students getting financial assistance from the university

Nil

Was any need assessment exercise undertaken before the development of new program (s)? If so, highlight the methodology

See number 42.

Does the department obtain feedback from**faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?**

Regular feedback is obtained from faculty regarding curriculum and teaching methodology. This feedback is discussed in monthly, departmental and HOD meetings and appropriate measures are enforced. It has been seen by the faculty that the students are unable to concentrate for long durations during the lecture. For the evaluation of basic understanding of the topic taught in the lecture hall, a small multiple choice questionnaires is given to the students at the end of the lecture and then the answers are discussed after the completion of this exercise.

The feedback from faculty regarding post- graduate students revealed that the students are facing difficulties in diagnosing and enlisting differential diagnosis for some special cases which lead to the problems with completion of cases, thus a weekly clinical case presentation by postgraduate students are scheduled, which is

attended by all faculty members which upgrades the knowledge and understanding of the case.

students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Yes, the college collects Feedback Forms from the students on Staff, Curriculum and Teaching which are assessed periodically. For example the post graduate students want a thorough discussion on cases they see, the diagnostic, pathological and surgical aspect of the treatment involved, hence on a monthly basis clinico pathological conference triple —Ol meet is organized in collaboration with the Department of Oral surgery and oral pathology for the benefit of students, where the case is discussed thoroughly.

alumni and employers on the programs offered and how does the department utilize the feedback?

Yes there is a formal system of taking feedback from alumni at the annual alumni meet. Feedback is used to improve teaching methodology and infrastructure. It was felt by our alumni that we were lacking in advanced imaging modalities. Hence a specialized centre for advanced imaging with CBCT facility was established in the year 2015.

List the distinguished alumni of the department (maximum

10): Nil

Give details of student enrichment programs (special lectures / workshops seminar) involving external experts.

Final year post-graduate students attended the Practice Management workshop conducted by Department of Conservative Dentistry & Endodontics on 27-28th August 2016.

Post graduate students attended, CDE on Clinical Photography by Department of Orthodontics held in 22st January 2016.

A symposium cum workshop was organized on pharmacovigilance and —Basic Life Support on 29th May 2012 by Professor H.M.S. Rehan, Lady Harding Medical College.

A workshop on Research methodology and evidence based practice was conducted on 17 April 2012 by Dr. S. Narasimman, Professor in Father Muller Medical College, Mangalore.

A Continuing Dental Education Program titled —Biomechanics Simplified was conducted on the 24th September 2013, by Dr. Jayesh S. Rahalkar, D.Y. Patil Dental College Pune and Dr. Chetan V. Jayade, CKS Theja Dental College Tirupati.

A workshop was organized on —Bioethics In Clinical Research on 1st September, 2014 by Dr. Sachin Manocha (Asth. Prof.

VardhmanMahavir Medical College, Safdarjung Hospital), Dr. V. Kalaiselvan (Principal Scientific Officer, Indian Pharmacopoeia Commission) and Dr. Prem Chopra Renowned Pathologist Ex. AIIMS, Sr. Consultant Sir Ganga Ram Hospital.

Lecture on the importance of —Periodontal Health and Maintenance AAS conducted on 12th of January by Dr. Ajay Kakkar, an alumnus of Nair Dental College and Hospital is a specialist Periodontist and Oral Implantologist.

Comprehensive Implantology course was conducted on 7th March, 2016 as a part of Dentist Day Celebrations by Dr Lanka Mahesh (Visiting Professor, University of Murcia, Spain; Asia Pacific Brand Ambassador, International College of Oral Implantologists and course co-ordinator- Bioner)

A symposium cum workshop was conducted by the department of pharmacology on 3rd August, 2016 on basic life support by Dr Rajesh Kalra.

A 2 day workshop was conducted on —Practice Management, module – 2 on 28th-29th September 2016 by Dr. AjitShetty.

Post Graduate students attended one day hands on workshop on Genomic DNA Isolation and PCR, organised by Department of Oral Pathology on 12th December 2016.

List the teaching methods adopted by the faculty for different programs including clinical teaching.

The department employs innovative teaching methods combined with the conventional ones. Theoretical topics are covered with power-point presentations which are made interesting with illustrations, diagrams and case examples to make them more visually appealing. These presentations are updated regularly to incorporate advances in knowledge. The students are also encouraged to present seminars and symposiums. The flipped learning approach is an innovative method employed to involve the students actively in the teaching-learning process. Clinical training is reinforced with demonstrations and case discussions. The department ensures that each student treats a variety of cases with different techniques. They are also encouraged to take up challenging cases to enhance their clinical skills. The students are encouraged to attend workshops, continuing education programs and conferences by eminent national as well as international faculty. Evidence based clinical practice is encouraged along with adoption of newer modalities of treatment.

How does the department ensure that program objectives are constantly met and learning outcomes are monitored?

The program objectives are based on the principles of knowledge, proficiency(skill) and attitude. Emphasis is placed on outcome based education. Written and practical exams at regular intervals serve to monitor progress and assess theoretical knowledge and clinical skill of students. The students are instilled with a compassionate attitude

towards their patients. Feedback is obtained from the patients and conveyed to the concerned student to assess their professional attitude and communication skills.

Highlight the participation of students and faculty in extension activities. Students and faculty regularly participate in:

S.No.	Date of events	Name of Events
1	18/02/2012	Euphoria (A Cultural Extravaganga)
8	14/06/2012	Blood Donor Day
9	28/07/2012	World Hepatitis Day
10	05/09/2012	Teachers day celebration
15	31/10/2012	Future Professional Programme
16	30/11/2012 01/12/2012	Occlusion 2012
17	30/03/2013	Alumni meet 2013 convocation
19	22/04/2013 27/04/2013	Sports Day
20	03/05/2013 04/05/2013	Inter batch competition- Euphoria 2013
21	31/05/2013	World No Tobacco Day
22	12/07/2013	Prize distribution ceremony for — Euphoria 2013
23	29/07/2013	World Hepatitis Day (Know IT, Confront IT)
26	05/09/2013	Teacher's Day celebration
27	13/09/2013	Fresher's Party of 14 th BDS Batch (2013-17)
30	04/02/2014	World Cancer Day
33	05/04/2014	Annual Convocation ceremony & Alumni Meet
35	06/08/2014 08/08/2014	Euphoria- 2014 Academic excellence & cultural award day
36	05/09/2014	Teachers Day celebration
37	19/09/2014	Fresher's party 15 th Batch BDS (2014-18)
38	27/08/2014	Cancer screening camp
40	28/07/2014	World Hepatitis day
41	12/12/2014 13/12/2014	Occlusion 2014
42	02/03/2015	White Coat ceremony
44	04/04/2015	Convocation ceremony & Alumni Meet – 15
45	28/05/2015 30/05/2015	Euphoria 2015 —Interclass Cultural Fiestal
46	28/07/2015	World Hepatitis day
47	16/09/2015	Hostel Day celebration
48	21/09/2015	Fresher's Party 16 th Batch BDS (2015-2020)
49	01/02/2016 05/02/2016	CBCT integrated PG Teaching Module
52	04/02/2016	World Cancer Day
53	06/02/2016	White Coat Ceremony
54	16/02/2016 18/02/2016	Staff Development Program

55	08/03/2016	Women's Day Celebrations
	21-23/09/2016	CBCT integrated PG Teaching Module
57	08/11/2016	World Radiology Day

Both Undergraduate and postgraduate students are also actively involved in the camps held by Department of Community Dentistry.

S.No.	Year	Total No. of Camps Held
1.	2012	153
2.	2013	162
3.	2014	167
4.	2015	150
5	2016	126

Give details of “beyond syllabus scholarly activities” of the department.

The department encourages students to participate in scholarly activities which are beyond their syllabus. For example, under-graduate students have presented posters in conferences under the guidance of faculty. The post-graduate students are encouraged to take up short-term research work in addition to their thesis which helps to develop a better understanding of research methodology before they take up thesis work. The additional research undertaken is also presented at national and inter-national forums such as conventions and conferences. Students have participated in continuing dental education programs and workshops conducted by other specialties to enhance their knowledge base and encourage lateral thinking in terms of inter-disciplinary approach.

Some of the programs attended by the post-graduate students are listed below:

- Pharmacovigilance and Basic life support on 29th May 2012 at ITS-CDSR Muradnagar.
- 10th National conference of Forensic Odontology on 7th – 9th Sep 2012 at ITS- CDSR Muradnagar.
- Delhi Dental Show‘ held at PragatiMaidan, New Delhi on 12th to 14th Oct. 2012.
- lecture by Colgate/ IDA for future dental professionals programme on 31st Oct 2012 in ITS-CDSR, Muradnagar.
- 26th PFA Colgate CDE program‘ held at ITS Greater Noida on 15th dec.2012.
- Workshop on Dental Sleep Medicine- Perspectives and Strategies for management on 16th Feb 2013 in ITS-CDSR, Muradnagar.
- Attended CDE on —Slim tip – soft approach|| at I.T.S CDSR, Muradnagar on 14th Sept 2013.
- Indian Dental Student Conference at I.T.S CDSR, Muradnagar on 23rd & 24th Nov 2013.

International Conference of Dental Specialties at I.T.S CDSR Muradnagar on 9th & 10th May 2014.
 Workshop on Bioethics in Clinical Research at ITS Dental College on 1st Sept 2014.
 Lecture on —Current trends in education and IQA|| at ITS Dental College on 20th Dec 2014.
 Student Exchange Program Tufts School of Dental Medicine at Boston, USA on 5th-18th July 2015.
 Pre-Conference Course on Implantology for beginners|| at I.T.S.-C.D.S.R on 18th Nov 2015.
 Lecture on —Orthopaedic v/s Orthognathic and Nasoalveolar Moulding|| at TMU University on 12th Jan 2016.
 —IDA Student Conference|| at I.T.S.-C.D.S.R on 15th -16th March 2016
 —Workshop on Dental Sleep Medicine, Sleepc on at India habitat centre||, New Delhi on 25th March 2016.
 Personality Development Program at I.T.S.-C.D.S.R on 16th April 2016.
 Lecture —TMJ/TMD and Orofacial pain by dr. Davis Thomas at Santosh University on 2nd July 2016.
 —28th ISDR Conferencel at I.T.S.-C.D.S.R on 20th -22nd Nov 2016.
 Comprehensive Implantology Program being conducted in collaboration with Bioner Implants and recognized by ICOI (International Congress of Oral Implantologists).

State whether the program/ department is accredited/ graded by other agencies? If yes, give details.

All the programs are recognized by the Dental Council of India

Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

A Research projects are undertaken to address lacunae in the existing literature and to attempt to add new knowledge to the specialty. Research work is also done in collaboration with other departments. Other than the dissertation which is a part of the curriculum, students are encouraged to take up short research studies and challenging cases to add to their knowledge. Newer advances (CBCT, LASER therapy) in diagnosis and treatment modalities are adopted to increase the standard of care along with enhancing knowledge.

Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

STRENGTHS

The department advocates the pharmacological and non-pharmacological treatment for oral diseases. Alternative therapies are also used as an adjunct e.g. TENS therapy, Physiotherapy,

Therapeutic USG.

We are among the few colleges who are using LASER therapy for the management of orofacial pain patients.

We are in collaboration with Dharamshilla Cancer Hospital where postgraduate gets exposure to the surgical and radio therapeutic management of oral cancer patients.

WE have dedicated patient counseling centre in the department which addresses to the different queries of the patients regarding the dental treatment, also the centre provides the counseling to the patients taking tobacco in various forms and they are made aware of various methods of its cessation.

Undergraduate and postgraduate students are encouraged to do short studies in the department to enhance their knowledge and contribution towards research. Also they are motivated to present the scientific paper or posters in the national and international conferences.

Complete digitalization of the radiological facilities for example digital OPG, other extra-oral radiographs, PSP sensors for intraoral radiographs and 3D imaging with CBCT.

WEAKNESS

There is a general notion among the public and the professionals that the branch of oral medicine and radiology is non clinical branch, but the very fact is that it is committed to non surgical treatment of diseases of orofacial region, for example TMDs, Orofacial Pain, Premalignant lesions. This very fact should be conveyed in an appropriate manner.

OPPORTUNITIES

We have integrated CBCT centre for the students for taking up dissertation topics pertaining to 3D imaging.

The college is situated in the region, where the usage of tobacco in various forms is prevalent, thus the department caters with increased number of patients with the tobacco induced oral mucosal lesions.

Department encourages postgraduate students to attend various national and international conferences, CDE workshops.

Departments provide interegrated teaching to the postgraduate students of other specialties on CBCT, interpretations on regular basis.

Centre for advance research provides students with the facility of taking up research topics on molecular aspects of various diseases.

Evidence based learning methodologies are practiced in the department which can be easily reflected in the seminars, journal clubs, case discussions etc.

CHALLENGES

Major challenging task is to get our branch recognized not only for diagnosis and investigations, but majorly for the delivery of non-invasive treatment using newer modalities.

Branch has the potential to treat oral manifestations of various systemic diseases; hence more referrals are expected from other departments.

Future plans of the department.

- Continuous up gradation of clinical skills.
 - Organizing National conference of Indian Academy of Oral Medicine and Radiology in 2017 at ITS Dental College, Muradnagar.
- We have planned for conducting a CDE Programme.
- Encouraging students to take research programme on recent technologies.
- We shall focus more on treatment modalities using non-invasive modalities for example LASERS, Non Pharmacological modalities, Relaxation therapies etc.

DEPARTMENT OF ORAL AND MAXILLOFACIAL SURGERY

Name of the Department:

Department of Oral and Maxillofacial Surgery

Year of

establishment: 2000

Is the Department part of a college/Faculty of the university

Department is part of ITS Dental College, Muradnagar, Ghaziabad which is affiliated to Choudhary Charan Singh University, Meerut.

Names of programs offered (UG, PG, PharmD, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.)

UG- BDS

PG- MDS

Interdisciplinary programs and departments involved

Integrated interdepartmental meet with the Departments of Oral Pathology and Oral Medicine and Radiology is held every month for discussion of —Case of the Month which is a special case involving opinion and contributions from all the three departments for benefits of post graduates.

Implantology Program in collaboration with Bioner Implants, recognized by ICOI (International Congress of Oral Implantologists) and Department of Prosthodontics for training our young budding professionals in placement of dental implants and advanced surgical procedures by the faculty of our department who are the members of core course committee

Orthognathic Surgery planning with Department of Orthodontics is carried out on regular patient basis. The faculty involves in Pre surgical orthodontics, Model mock surgery and surgical splint fabrication for providing experience to the post graduates

Courses in collaboration with other universities, industries, foreign institutions, etc.

One post-graduate student from the department attended the Student exchange program with Tufts University, Boston in the year 2016 for a period of three weeks to observe and inculcate the international trends in academics and patient care.

A post-graduate student attended the Comprehensive Implantology Program being conducted in collaboration with Bioner Implants and recognized by ICOI (International Congress of Oral Implantologists).

Details of programs discontinued, if any, with

reasons Nil

Examination System: Annual/Semester/Trimester/Choice Based Credit System

BDS: Annual University Examination System, Internal assessment in each trimester University Exam after 3 years
MDS: years

Participation of the department in the courses offered by other departments

The post graduate students have been a part of various courses offered by other departments in the college such as:-

Comprehensive Implant course conducted by the Department of Prosthodontics under the following modules:-

- First module: 18-20th July 2016
- Second module: 8-10th August 2016
- Third module: 6-8th September 2016
- Fourth module: 3-6th October 2016

Final year post-graduate students attended the Practice Management workshop conducted by Department of Conservative Dentistry & Endodontics on 27-28th August 2016.

Final year post-graduate students attended the CBCT workshop conducted by the Department of Oral Medicine & Radiology on 21st-23rd September 2016.

All the post-graduate students attended the Pharmaco-vigilance workshop conducted by the Department of Pharmacology on 29th May 2012.

Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned (As per DCI requirement for 2 units)	Filled
Professor	2	2
Associate professor/Reader	4	4
Assistant professor/ Senior lecturer	2	3
Tutor	1	1

Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

For research under guidance refer to Question no. 28

S. No	Name	Qualification	Designation	Specialization	Experience
1.	Dr. Sanjeev Kumar	MDS & FDS RCS (Glasgow)	Professor & Head	Oral & Maxillofacial Surgery	25 Years
2.	Dr. Harsh Jain	MDS	Professor	Oral & Maxillofacial Surgery	10 Years
3.	Dr. Nitin Sharma	MDS	Reader	Oral & Maxillofacial Surgery	7 years & 5 months
4.	Dr. Sukumar Singh	MDS	Reader	Oral & Maxillofacial Surgery	7 Years
5.	Dr. Vijay Mishra	MDS	Reader	Oral & Maxillofacial Surgery	6 Years & 4 Months
6.	D. Amit Gupta	MDS	Reader	Oral & Maxillofacial Surgery	4 Years & 1 Month
7.	Dr. Vidhi C Rathi	MDS	Sr. Lecturer	Oral & Maxillofacial Surgery	2 Years & 2 Months
8.	Dr. Pradeep Sharma	MDS	Sr. Lecturer	Oral & Maxillofacial Surgery	1 Years & 2 Months
9.	Dr. Nitin Purohit	MDS	Sr. Lecturer	Oral & Maxillofacial Surgery	Fresh Joining
10.	Dr. Priyanka Rathore	BDS	Tutor	Nil	3 months

List of senior Visiting Fellows, adjunct faculty, emeritus professors

1	Dr. Kiran Gadre (MDS, Oral & Maxillofacial Surgery)	He is Head of the Department at Bharti Vidyapeeth Dental College and Hospital, Pune specializing in Orthognathic surgery (surgical correction of Jaw deformity), visited our college and performed live surgeries for the better understanding of post graduates in February 2011
2	Dr. David P. Tauro (MDS, Oral & Maxillofacial Surgery)	He is Professor Emeritus and senior consultant Maxillofacial surgeon at Banglore specialized in Cranio-maxillofacial surgery and skull based surgery, visited ITS-CDSR, Murad Nagar and performed cases of Rhinoplasty (correction of nasal deformities) in July 2014

3	Dr. Satyajit Dandagi (MDS, Oral & Maxillofacial Surgery)	He is a professor in PMNM Dental college Bagalkot, specializing in orthognathic surgery with 3-D planning and reconstructive surgery post cancer ablation. He frequently visits our college for various cases of orthognathic surgery and also for micro vascular surgery
4	Dr. K.V. ArunKumar (MDS, Oral & Maxillofacial Surgery)	He is professor in Subharti Dental College, Meerut and specializes in head and neck Onco surgery. He has performed quite a few cancer surgeries in our patients and visits our department frequently for consult and management of cancer patients. He is also a post graduate examiner for the university examinations
5	Dr. Rajan Arora (Mch)	He is an onco surgeon and consultant in microvascular and reconstruction unit at Rajiv Gandhi Cancer Institute in Delhi. He has delivered lectures for our post graduates on onco surgery and reconstructive surgery and guides the post graduates in their peripheral posting at Rajiv Gandhi Cancer Institute.
6	Dr. Mudit Agarwal (Mch)	He is an onco surgeon and consultant in microvascular and reconstruction unit at MAX group of hospitals at Delhi. He has delivered lectures for our post graduates on onco surgery and reconstructive surgery.

13. Percentage of classes taken by temporary faculty – program-wise information

There is no temporary faculty associated with the department.

14. Program-wise Student Teacher Ratio

B.D.S – 10:1

M.D.S- 3:4.5

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

S. No.	Sanctioned	Filled
Support staff(technical)	4	4
Administrative staff	2	2

16. Research thrust areas as recognized by major funding agencies

Nil

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

Nil

Inter-institutional collaborative projects and associated grants received a) National collaboration b) International collaboration

Nil

Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received

Nil

Research facility / centre with :

State recognition

National recognition

International recognition

In-house state-of-the-art research centre is available in the institution, facilities of which are being utilized by the department.

Special research laboratories sponsored by / created by industry or corporate bodies

Nil

Publications:

Number of papers published in peer reviewed journals (national / international)

74(National 50, International 24)

Year-wise list of publications

2011

Arunkumar KV, Kumar S, Bansal V, Saxena S, Elhence P. Pleomorphic adenoma- unusual presentation of a salivary gland tumor in the neck of a child. *Quintessence International*: Nov/Dec 2011;42(10):879-882

Gupta R, Kumar S, Murarka A, Mowar A. Some modifications of the Furlow Palatoplasty in wide clefts – a preliminary report. *CPCJ* 2011;48(1):9-19

Arunkumar KV, Kumar S. Modified Dufourmental Flap for Facial Wound Repair: Report of two cases. *JIDA* 2011;5(4):518-520

Fibrous histiocytoma of the Mandible. Gupta P, Godhi S, Kukreja P, Bhatnagar S, Lall AB, Singh A, Chhabra V. *JIDA* 2011;5(9): 994-95.

Sharma N. Concomitant cheiloplasty with frenectomy of the upper lip due to abnormal frenulum: A novel technique for esthetic management. *Dental Practice* 2011;10(2), 54-9

2012

Saxena S, Kumar S, Rawat S, Kumar KVA. An indolent swelling of the parasymphyseal area. *Oral Surg Oral Med Oral Pathol Oral Radiol.* 2013; 116(5):528–533.

Bansal V, Kumar S, Mowar A, Yadav A, Khare G. The post-auricular approach for gap arthroplasty- a clinical investigation. *J Cranio-maxillo-fac. Surg.* 2012; 40(6):500-505.

Ahmed MV, Rastogi S, Baad RK, Gupta AK, Nishad SG, Bansal M, Kumar S, Oswal R, Mahendra P, Bhatnagar A. Comparative Study Between Two Flaps—Trapezoidal flap (TZF) and Ocshenbein-Leubke Flap (OLF) in Periapical Surgeries. *J Maxillofac Oral Surg.* 2013 Dec; 12(4): 440–446.

Vikram A., Mowar A, Kumar S. Wooden foreign body embedded in the zygomatic region for 2 years. *J Maxillofac Oral Surg* 2012; 11(1): 96-100.

Kumar KVA, Kumar S, Aggarwal R, Dubey P. Management challenges in a short-range low-velocity gunshot injury. *Ann Maxillofac Surg.* 2012; 2(2); 200-203.

Deepa D, Kumar KVA, Joshi CS, Kumar S, Pandey A. Fungal infection of gingival in a patient with hyperimmunoglobulin-E (Job's) syndrome. *J Indian Soc Periodontol* 2016; 16:256-60.

Gautam P, Sharma R, Prakash A, Kumar S, Taneja V. Assessment of middle ear function in patients with cleft palate treated under "Smile Train Project". *Indian J Otol* 2012; 17:105-108.

Kumar KVA, Kumar S, Deepa D. Brown tumor in mandible as a first sign of Vitamin D deficiency: a rare case report and review. *Indian J Endocr Metab* 2012; 16:310-5.

Purohit N, Raghavan V, Bedi S, Arora R. Recurrent sialolithiasis- report of an interesting case. *Clin dent* 2012; 6 (5):10-13.

Joshi N, Raghavan V, Purohit N, Arora R. Cryosurgery in clinical dentistry. *Clin Dent* 2012; 1(6):14-17.

Sharma N. 2D and 3D CT scan – A diagnostic adjunct or necessity in maxillofacial trauma. *Ind J of Dent* 2012;3(4):185-9.

2013

Saxena S, Kumar S. Sclerosing odontogenic carcinoma--an enigma. *Oral Surg Oral Med Oral Pathol Oral Radiol.* 2013; 115(6):840.

Kumar S, Saxena S. Francis Robert Lloyd and the celebrated traveler- a British Raj murder mystery. *Dental Historian* 2013:65-67.

Dubey P, Kumar S, Bansal V, Arun Kumar KV, Mowar A, Khare G. Post extraction bleeding following a fever: a case report. *Oral Surg Oral Med Oral Pathol Oral Radiol* 2013; 115(1):27-31.

Kumar S, Reddy M P, Chandra L, Bhatnagar A. The "Red Line" Conundrum: A Concept beyond Its Expiry Date? *J. Maxillofac Oral Surg.* 2014; 13(4): 612–614.

Bhatnagar A, Bansal V, Kumar S, Mowar A. Comparative Analysis of Osteosynthesis of Mandibular Anterior Fractures Following Open

- Reduction Using ‘Stainless Steel Lag Screws and Mini Plates’. *J Maxillofac Oral Surg.* 2013;12(2):133–139.
- Balakrishna R, Reddy MP, Kashyap VM, John J. The —Rubber Band and —Slingshot Effects of the Posterior Airway Space in Mandibular Orthognathic Surgeries. *J Maxillofac Oral Surg.* 2014; 13(4): 514– 518.
- Kumar RA, Kumar S, Rastogi S, Kukreja P. Use of temporalis fascia as an interpositional arthroplasty in temporomandibular joint ankylosis: A case report. *J Dent Sp* 2013; 1(2):4-7.
- Kumar S, Rastogi S, Kumar S, Reddy MP, Chandra L. Pain in Trigeminal Neuralgia: Neurophysiology and Pain Assessment. *J Med Life* 2013; 6(4): 383–388.
- Chhabra V, Rastogi S, Barua M, Kumar S. *Alternaria Alternata* infection associated osteomyelitis of maxilla. A rare disease entity. *Indian J Dent Res.* 2013; 24(5):639-41.
- Rastogi S, Reddy M P, Kumar S: Post craniofacial trauma multiple drug resistant *Acinetobacter Baumannii* infection treated with intravenous colistin: A rare complication. *Indian J Dent Res* 2013;24(6):759-61.
- Rastogi S, Reddy MP, Kumar S. A Prospective Study to Assess the Levels of Interleukin-6 following Administration of Diclofenac, Ketorolac and Tramadol after Surgical Removal of Lower Third Molars. *J Maxillofac Oral Surg.* 2015;14(2):219-225.
- Dubey P, Bansal V, Kumar KVA, Mowar A, Khare G, Singh S. Non-traumatic Oculomotor Nerve Palsy: A Rare Case Report and Discussion on Etiopathogenesis. *J Maxillofac Oral Surg.* 2015; 14(1):313-6.
- Sharma A, Aggarwal A, Gupta A. Scleral Prosthesis: An Eye for an Eye: Case Report. *Indian J Dent Sciences* 2013;5(5):63.

2014

- Agarwal A, Mishra V, Jain H, Reddy UV. Management of craniofacial injuries: a primer for Residents. *Romanian Neurosurgery* 2014;21(4):341-347.
- Jawanda MK, Anand KR, Mathur N, Gupta P, Jaina S. Extrafollicular adenomatoid odontogenic tumour presenting as a periapical lesion: Report of a rare entity. *Int. J. Pediatr. Otorhinolaryngol.* 2014; 9:47–51.
- Kukreja BJ, Dodwad V, Kukreja P, Ahuja S, Mehra P. A comparative evaluation of platelet rich plasma with demineralised freeze dried bone allograft & DFDBA alone in treatment of periodontal intrabony defects: A clinic radiography study. *J Indian Soc Periodontol.* 2014; 18(5): 618–623.
- Jha B, Kukreja P. Conservative management of large unicystic ameloblastoma with immediate reconstruction using B1 cortical iliac bone graft-A case report. *J Dent Specialties* 2014;2(1): 68-71.
- Kukreja S, Sharma M, Bhatnagar A, Mahendra P. The use of submucosal dexamethasone to minimize post operative sequelae after third molar surgery. *J Dent Specialties* 2014; 2(1):14-24.

K R Anand, Kukreja P, Kumar S, Sharma M. Non-surgical treatment of ameloblastoma – Where are we-? *Clinical Dent* 2014; 8(3):26-29.

Kukreja BJ, Gupta U, Dodwad V, Kukreja P. Periosteal fenestration vestibuloplasty procedure for sulcus deepening in a hemimandibulectomy patient following implant therapy. *J Indian Soc Periodontol* 2015; 18:508-11.

Bansal S, Kukreja P, Kumar S, Sharma M, Rakshak AK, Jha KB. Anaesthetic Efficacy of the Anterior Middle Superior Nerve Block for Extraction of Maxillary Anterior Teeth. *J Dent Specialties* 2014;2 (2):04-07.

Saxena S, Kumar S. Ebola Viral hemorrhagic fever: An update for oral health care providers. *Dent Buzz* 2014; 1(1): 14-18.

Bansal V, Singh S, Garg N, Dubey P. Transport distraction osteogenesis as a method of reconstruction of the temporomandibular joint following gap arthroplasty for posttraumatic ankylosis in children: a clinical and radiological prospective assessment of outcome: *Int. J. Oral Maxillofac. Surg.* 2014; 43: 227-236.

2015

Patil PM, Jain H, Mishra V, Sharma A. Sarcoidosis: An update for the oral health care provider. *J Cranio Max Dis* 2015;4:69-75.

Choudhary R, Kukreja P, Kumar S, Bhatnagar A, Anand KR, Chhabra V. Pedicle flap design – A newer technique in mandibular third molar surgery for reduction of post-operative complications. *J Dent Specialties.* 2015;3(1):76-80.

Yadav S, Agarwal A, Singh S, Kumar S, Anand KR, Chhabra V. 3 – D locking titanium miniplates in management of mandibular fracture: A prospective clinical study. *J Dent Specialties.* 2015;3(1):64-67.

Kukreja P, Sharma M, Chhabra V, Kumar S. Large peripheral giant cell granuloma in an edentulous mandibular ridge – A case report. *Indian J Dent Science* 2015; 7(2).

Kukreja P, Rohatgi NB, Kukreja BJ, Kumar S. Maxillary First and Second Bicuspid with Three Distinct Roots - An Unusual Occurrence. *Int J Pre-Clinical Dent R* 2015;2(5):1-4.

Saxena S, Kumar S. Saliva in forensic odontology: A comprehensive update. *J Oral Maxillofac Pathol* 2016; 19:263-5.

Kumar S, Bhati B, Kukreja P, Mishra V, Bhatnagar A. Isolated Bony Syngnathia. *Br J Oral Maxillofac Surg* 2015;20;54(7):844-5

Rastogi S, Sharma S, Kumar S, Mahendra P. Rastogi S, Sharma S, Kumar S, Mahendra P. Fracture Of Mandibular Condyle- To Open Or Not To Open: An Attempt To Settle The Controversy. *Oral Surg Oral Med Oral Pathol* 2015;119(6):608-13

Kumar S. History of Indian Dentistry: Gandhi and his dentists. *Dent Buzz* 2015; 2(1):30-31.

Gupta R, Gupta R, Kumar S, Saxena S. Melanotic neuroectodermal tumor of infancy: Review of literature, report of a case and follow up at 7 years: *JPRAS* 2015; 68:53-54.

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- Sharma A, Mishra V, Jain H, Gupta R. Cancrum oris: Secondary to tooth extraction. *J Cranio Max Dis* 2015;4(1): 95-98.
- Dandagi S, Mishra V, Jain H, Rao D, Verma A. Visor approach for the total excision of a large multicystic ameloblastoma of the mandible. *J Cranio Max Dis* 2015;4(1): 105-106.
- Agarwal A, Mishra V, Jain H, Reddy UV. Management of craniofacial injuries: a primer for Residents. *Romanian Neurosurgery* 2015; 15(1):48.
- Nallamothe R, Kallam SR, Gunturu S, Singh S, Rachalapally VK. Supraorbital blow in fracture presenting as an ocular dystopia in a 9 year old girl. *Case reports in dentistry. Case Rep Dent.* 2013; 2013: 574146.
- Thukral H, Singh S, Aggrawal A, Kumar S, Mishra V, Kumar RA. Comparative analysis of post-operative analgesic requirement in patients undergoing minor oral surgery using buprenorphine with lignocaine versus lignocaine – a double blind study. *J Dent Specialities* 2015; 3(2):164-169.
- Yadav S, Agarwal A, Singh S, Kumar S, Anand KR. 3-D locking titanium mini-plates in management of mandibular fractures: A prospective clinical study. *V. J Dent Specialities.* 2015;3(1):64-67.
- Large Intraductal Sialolith in Wharton's Duct. *Rathi A, Chhabra V. Int J Oral Health Med Res* 2015; 2(4):39-41.
- Khatib SB, Praveen B, Chauhan H, Purohit N. Oral myiasis in rett syndrome: a rare entity. *Int J Adv Res.* 2015; 3(9):828-33
- Zuhaib M, Sharma P, Doley B. Accidental displacement of impacted maxillary third molar: A case report. *Int J Med Res Rev* 2015; 3(7):757-760.
- Bitra S, Zuhaib M, Chatterjee S, Sharma P, Nair K, Balasubramaniam. Cleidocranial Dysplasia- A Case Report. *Int J Current Res* 2015; 7(12):23671-74.
- Chatterjee S, Bitra S, Zuhaib, Sharma P, S Nair S. Composite flaps used for reconstruction of rare massive ameloblastic carcinoma. *Int J Current Res.* 2015; 7(12):24433-39.
- Gupta A, Mehra P: Human bite- A Rare Case Report. *Indian J Med Specialities* 2015; 6:73-75.
- Gupta A, Singh H, Kaushal M, Mehra P Langerhan's cell histiocytosis- A Case Report & Review. *J Int Med Sciences Acad* 2015;28:3:168-171.
- Gupta A, Gupta M, Mehra P Oral Verrucous Carcinoma: Excision & Reconstruction with Buccal Fat Pad. *J Int Med Sciences Ac* 2015;28(3):171-173.

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- Kumar S, Siwach A. Distraction osteogenesis. *Dent Buzz* 2016;(3)1:34-35.
- Bansal S, Kukreja P, Anand KR, Kumar S, Kapoor V, Kapoor U. A Comparative evaluation of 4% articaine versus 2% lignocaine for anterior middle superior alveolar nerve block for extraction of

- maxillary anterior teeth – A double blind, randomised, split mouth study. *Indian J Dent Sciences* 2016;6(8):58-63.
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- Yadav S, Sonone RM, Jaiswara C, Bansal S, Singh D, Rathi VC. Long-term Follow-up of Trigeminal Neuralgia Patients treated with Percutaneous Balloon Compression Technique: A Retrospective Analysis. *The J Cont Dent Practice* 2016; 17 (3):1-4.
- Chauhan H, Purohit N, Potlia I. Is Quackery Still A Parallel World Of Dentistry- A Case Report? *Int J Oral Health Med Res* 2016; 3(3):59-63.
- Rathi A, Mittal G, Aggarwal A, Rathi VC .Facial Asymmetry secondary to malunited zygomatic fracture- our experience. *Arch Dent Med R* 2016 ;2(5):32-5
- Chauhan H, Purohit N, Potlia I, Jain N. A Modified Approach for Split Crest Technique to Augment Narrow Alveolar Ridges For Placement Of Endosseous Implants: - A Case Report And Review Of Literature. *Int J Cont Med Res* 2016; 3 (11): 3134-3.
- Zuhaib M, Bonanthaya K, Parmar R, Shetty PN, Sharma P. Presurgicalnasoalveolarmoulding in unilateral cleft lip and palate. *Indian J PlastSurg* 2016; 49:42-52.
- Gupta A, Mehendiratta M, Sareen C, Aggarwal A: Primary Paranasal Tuberculosis in a Diabetic Mimicking Odontogenic Infection: A Rare Case; A Unique Presentation. *J Clin Diag Res* 2016; 10 (3):19-21.
- Purohit N, Chauhan H, Gupta I, Potlia I. Intermittent Loops wire splint:A novel technique. *Int J Oral Health Med Res* 2016; 3 (3):64-66.

Monographs:

Nil

Chapters in Books:

Kumar S.Singh G. Ch. 24, 25. Surgical Procedures in Orthodontics. In Gurkeerat Singh's Textbook of Orthodontics 3rd ed. 2014. ISBN number- 81-8448-080-6

Books edited:

Nil

Books with ISBN with details of publishers:

Gupta R, Bansal V, **Singh S.** Biomaterials being used in Oral & Maxillofacial Surgery. Lambert Academic Publishing 2014. ISBN number- 3659539023

Rathi A, **Chhabra V.** Rhinoplasty procedures. Lambert Academic Publishing 2014.

ISBN number- 3659410640

Chhabra V, Rathi A. Pectoralis Major Myocutaneous Flap in head and neck reconstruction. Lambert Academic Publishing 2014. ISBN number- 9783659413339

Numbers listed in International database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database- International Social Sciences Directory, EBSCO host, Medline, etc.)

All the publications are listed in International database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database- International Social Sciences Directory, EBSCO host, Medline, etc.)

Citation Index

Faculty	Citations since 2011	No. of Publications	Avg.	Range	Dept. Avg.
Dr. Sanjeev	169	60	2.81	0.0-4.5	1.42
Dr. Harsh	31	13	2.38		
Dr. Nitin	27	6	4.50		
Dr. Sukumar	10	6	1.66		
Dr. Vijay	1	6	0.16		
Dr. Amit	8	7	0		
Dr. Vidhi	7	10	0.7		
Dr. Pradeep	1	4	0.25		
Dr. Nitin	2	6	0.33		

SNIP

SJR

Impact factor- range/ average

H-Index

Faculty	H-Index
Dr. Sanjeev Kumar	8
Dr. Harsh Jain	4
Dr. Nitin	2
Dr. Sukumar Singh	1
Dr. Vijay Mishra	1
Dr. Amit Gupta	0
Dr. Vidhi C Rathi	2
Dr. Pradeep Sharma	1
Dr. Nitin Purohit	1
Total	20

H-Index- 20

Range - 0-8

Average- $18/9 = 2.0$

23. Details of patents and income generated

Same as number 24

24. Areas of consultancy and income generated

	2016	2015	2014
Number of patients	20439	31578	32148
Income generated	7,75,325.00	3,71,840.00	89,550

25. Faculty selected nationally/ internationally to visit other laboratories/ institutions/ industries in India and abroad

Nil

26. Faculty serving in a) National committees b) international committees c) Editorial boards d) Any other (specify)Dr. Sanjeev Kumar

Reviewer in Journal of Dental Specialties since 2016

Reviewer in Dental Essence since 2015

Reviewer in Journal of Maxillofacial and Oral Surgery since 2010

Reviewer in OOOE journal in 2013-2014

Dr. Harsh Jain

Associate Editor in Journal of Neuro Sciences in Rural Practice since 2012

Reviewer in Journal of Maxillofacial and Oral Surgery since 2008

Dr. Vidhi C Rathi

Editor in Journal of Dental Specialties since 2016

Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs).

The faculty members regularly attend and are actively involved in leadership programs, teacher training workshops and CDE programs. Following is a detailed list of programs attended by the faculty

Dr. Sanjeev Kumar

- Attended 3rd AOMSI Delhi-NCR state chapter conference on 28th August 2016
- Attended Implant Conference 2016 held at Lucknow on 23rd & 24th April 2016
- Attended AOCMF Course— Principles in Craniomaxillofacial Fracture Management at Delhi from 11th to 13th March 2016

- Attended Indian Dental Student Conference 2016 held at ITSCDSR on 15th and 16th March 2016
- Attended World Cancer Day on 4th February 2016 at ITSCDSR
- Attended 28th ISDR conference 2015 at ITSCDSR from 20th to 22nd November 2015
- Attended 8th International congress of Academy of Oral Implantology ,18th-20th September 2015
- Attended 16th IACDE & IES PG Convention at ITSCDSR from 4th - 6th June 2015
- Attended 2nd AOMSI Delhi-NCR state chapter conference on 13th September 2015
- Attended Rhinoplasty workshop 2015 held at Hyderabad from 17th to 19th September 2015
- Attended Live demonstration on —Soft tissue Procedures‖ by David Tauro at the International Conference of Dental Specialties on 9th and 10th May 2014
- Attended Rhinorth-II at ESIC Dental College, Delhi on 6th & 7th
- Attended 39th AOMSI conference at Goa from 14th to 16th November 2014
- Attended International Conference of Dental Specialties at ITSCDSR on 9th and 10th May 2014
- Attended 11th National Triple —O‖ symposium at Gr. Noida from 6th to 8th September 2013
- Attended Preconference course on 3D virtual maxfac surgical planning during 11th National Triple _O‖ symposium at Greater Noida from 6th -8th September 2013
- Attended CDE on —Minor Oral Surgery for Dental Surgeons‖ at Lady Harding Medical college on 24th August 2013
- Attended Academic meet on —Pterygoid Implants-AnUpdate‖ at Meerut on 19th May 2013
- Attended CDE on —Micro vascular Reconstruction of Maxillofacial
- Attended Hands on course on —Zygomatic Implants-Surgical and Prosthetic Concepts‖ at ITSCDSR, Muradnagar on 11th and 12th August 2013
- Attended Lecture and live surgery on —Evolution of CLP protocol and secondary procedures‖ by Jan Lilja at IDST, Modinagar on 13th January 2012
- Attended CDE on —An update on common potentially malignant disorders of the oral cavity‖ at Meerut on 15th February 2012
- Attended Symposium cum workshop on Pharmacovigilance and
- Attended 37th AOMSI conference at Hyderabad from 29th November to 1st December 2012
- Attended 16th Mid-term conference of AOMSI at Mount Abu from 14th to 16th June 2012
- Attended 2nd Annual Conference of AOMSI (Punjab) at Ludhiana on 16th September 2012

Dr. Harsha Jain

- Attended CDE on —Advance Maxillofacial Surgery: Workshop,SGT University,2nd & 3rd March 2016.
- Attended 3rd Annual conference of Delhi NCR State Chapterl on 28th August16
- Attended Indian Dental Student Conference 2016 held at ITSCDSR on 15th and 16th March 2016
- Attended FACE 2014, SGT University Gurgaon From 27th to 29th March, 2014
- Attended National Symposium on Orthognathic Surgery, MUMBAI Mar.2013
- Attended Triple o conf at SGT Gurgaon, April 2013
- Attended Symposium on Distraction Osteogenesis at ESCI Delhi 14th June 2013
- Attended Renaissance Bareilly 20th ,21st September 2013
- Attended AOMSI Annual Conference HYDERABAD NOV. 2012

Dr. Nitin Sharma

- Attended Distraction Osteogenesis of the jaw held at Manav Rachna Dental College, Faridabad on 15th-16th August 2013.
- Attended Periorang, National PG convention held at ITS dental College, Greater Noida 2013.
- Attended Lasers in endodontics held at ITS dental college, Greater Noida in 2013
- Attended Update in oncology Held by fortis group at ITS dental college, Greater Noida in 2012
- Attended Famdent held at New delhi in June 2012
- Attended BLS certification from AHA in Oct 2012

Dr. Sukumar Singh

- Attended 3rd Annual conference of Delhi NCR State Chapterl on 28th August16
- Attended Indian Dental Student Conference 2016 held at ITSCDSR on 15th and 16th March 2016
- Attended — Case planning in Orthognathic surgery : an evolving science|| held at I.T.S. Center for Dental Studies & Research, Murad Nagar on 19th – 20th May 2016
- Attended — Orientation programme for post graduates and workshop on maxillofacial trauma& Implantology|| held at Hotel The Suryaa Delhi on 3rd July 2016
- Attended 39th National Conference of AOMSI at Goa in November 2014.
- Attended 2nd AOMSI Delhi-NCR state chapter conference on 13th September 2015

- **Dr. Vijay Mishra**

Attended 3rd Annual conference of Delhi NCR State Chapter on 28th August 2016

Attended Indian Dental Student Conference 2016 held at ITSCDSR on 15th and 16th March 2016

Attended — Case planning in Orthognathic surgery : an evolving science held at I.T.S. Center for Dental Studies & Research, Murad Nagar on 19th – 20th May 2016

- Attended — Orientation programme for post graduates and workshop on maxillofacial trauma & Implantology held at Hotel The Surya Delhi on 3rd July 2016

Attended 39th National Conference of AOMSI at Goa in November 2014.

Attended 2nd AOMSI Delhi-NCR state chapter conference on 13th September 2015

Attended Aesthetics 2012 held at New Delhi in August 2012.

- **Dr Amit Gupta**

Attended 69th Indian Dental Conference, Delhi from 19th -21st February 2016.

Attended 10th World Congress for Oral Implantology and AAID global conference from 11th -13th November 2016.

Attended Latest advances in laser dentistry and sutures revisited, lecture and hands on at hotel tulip inn, Hari nagar, New Delhi, 29th march 2015.

Attended Good prescribing practice: a contrivance to optimize patient care- lecture and hands on workshop held at LHMC, New Delhi on 14th June 2015.

- Attended 8th international congress of academy of oral implantology held at Le Meriden, New Delhi, and 18th -20th September 2015.
- Attended Surge your clinical practice with perfect tissue management system, lecture and hands on held at Russian culture centre, New Delhi, 11th October 2015.

Attended 28th ISDR conference held at ITS centre for dental studies and research, Muradnagar, Ghaziabad from 20th – 22nd November 2015.

Attended Participated in NCD Screening and Awareness Camps at Pragati Maidan from 14th -27th November 2015 at 35th indian international trade fair.

Attended Clinical insights into predictable implant placement- lecture and hands-on by Dr.Amit Jayna, held at greater Noida, 9th august 2014.

Attended Pot Pourri of Oral Pathology For The General Dentist by Dr.Nadim Ul Islam, faculty, University of Florida held at LHMC and associated hospitals on 26th feb 2015.

Attended Basic surgical training workshop under the guidance of Dr. Harpeet Grover, Dr. Pravesh Mehra held at LHMC on 11th May 2014.

Attended 11th National Triple O Symposium held at ITS Dental College, Greater Noida on 6th - 8th September 2013.

Attended Famdent show – Dental Convention at Pragati Maidan, New Delhi, India, 27th - 29th July 2012.

- Attended Symposium on Maxillofacial Trauma, DSCDS, Bangalore, March 2012
- Attended Symposium on Maxillofacial Pathology, GDCRI, Bangalore, March 2012
- Attended Symposium on TMJ Disorders, MSRDCH, Bangalore, March 2012

Dr. Vidhi C Rath

Attended Indian Dental Student Conference 2016 held at I.T.S Centre for Dental studies and Research, Muradnagar on 15th - 16th March 2016.

Attended — Case planning in Orthognathic surgery : an evolving science held at I.T.S. Center for Dental Studies & Research, Murad Nagar on 19th – 20th May 2016

- Attended — Orientation programme for post graduates and workshop on maxillofacial trauma & Implantology held at Hotel The Surya Delhi on 3rd July 2016

World Cancer Day on 4th February 2016 at ITSCDSR

Attended 3rd Annual of Delhi NCR State chapter AOMSI held at

Attended 41st AOMSI Annual conference held at Karnavati Knowledge Village, Ahmedabad on 24th to 26th November 2016.

Attended Delhi NCR AOMSI Workshop on Minor Oral Surgery & Trauma on 22nd February 2015 at SBBDC, Hapur.

Attended 2nd Annual conference of Delhi NCR State chapter —Emerging trends in Maxillofacial Surgery held on 13th September 2015 at Hotel Surya, New Delhi.

- Attended 8th International Congress of Academy of Oral Implantology on 19th - 20th September 2015 at Hotel LE Meridian New Delhi.

Attended 28th Indian Society for Dental Research Conference held at I.T.S Centre for Dental studies and Research, Muradnagar on 20th - 22nd November 2015.

Attended one day workshop on —Current Trends in Education & IQA held on 20th December 2014 at I.T.S. Center for Dental Studies &

Attended International Conference of Dental Specialties, 9th – 10th

Attended CDE —Sleep Medicine – A Dentist's Perspective —on 16th February 2013, I.T.S. Center for Dental Studies & Research, Greater Noida.

Attended National 'OOO' CDE on 5th & 6th April 2013 at S.G.T Dental College & Hospital, Budhera, Gurgaon

Attended CDE —26th PFA – Colgate programme on 15th December 2012 at I.T.S CDSR, Murad Nagar, Ghaziabad.

Dr. Pradeep Sharma

Attended workshop on 'Case Planning in Orthognathic Surgery: An evolving science' at I.T.S Dental College, Muradnagar, India on 19th-20th May, 2016.

Attended Indo Cleftcon, Lucknow in 2014

Attended Facial Aesthetics, Bangalore in 2014

Attended National conference of Oral and maxillofacial surgery-

Attended Master class in oral and maxillofacial surgery-Review course, Bangalore in 2013

Attended 3rd annual conference of Karnataka state chapter of AOMSI, Manipal in 2013

Attended Facethics Bangalore in 2013

Attended 1st Asian oral and maxillofacial Surgery PG Convention, Mangalore in 2013

Attended Surgical orthodontics, Bangalore in 2012

Attended Prologue orientation program for MDS course in 2012

Attended Current perspectives in Craniomaxillofacial Surgery and Facial esthetic problems, Bangalore in 2012

Attended CPR-Work shop, BIDS in 2012

- Attended Symposium on Clefts and Craniofacial anomalies, Mangalore in 2012

Attended 37th Annual AOMSI conference, Hyderabad in 2012

Dr. Nitin Purohit

Attended —Live surgical workshop on transport distraction osteogenesis at college of dental sciences, Davangere on 21st February 2015

Attended Scientific workshop on —reconstructive micro-vascular surgery in head and neck region at Bapuji Dental college & hospital, Davangere 13th – 15th March 2015

Attended CME programme —comprehensive management of oral squamous cell carcinoma at SDM craniofacial surgery & research centre, Dharwad 28th March 2015

- Attended CDE on —optimizing dental care for haemophilia patients at college of dental sciences, Davangere 30th – 31st march 2015

Attended National symposium on oral cancer at Kidwai memorial institute of oncology, Bangalore 7th November 2015

Attended 40th national conference of AOMSI at SGRDI college, Amritsar 19th - 21st November 2015

Attended CDE programme held during alumni meet at college of dental sciences, Davangere on 9th August 2014

Attended XIII national triple o symposium (theme – oral cancer) at M.S. University of applied sciences, Bangalore on 14th- 16th November 2014

Attended The Dr. Sarosh E. Shroff symposium on evidence based oral & maxillofacial pathology at college of dental sciences, Davangere on 13-14th September 2013

Student projects

Percentage of students who have taken up in-house projects including inter-departmental projects -

100 % - All post-graduate students undertake in-house projects which may involve other departments. The in-house projects may be divided into thesis and short studies as listed below.

Research Conducted in-house including inter-departmental research

A. List of Thesis

Students Name	Title of Thesis	Guide	Co-Guide
Dr. Abhishek Rathi	Grafting mandibular third molar extraction sites: a comparison of bioactive glass to a non grafted site	Dr. Mahendra Reddy	Dr. Sanjay Rastogi
Dr. Saurabh Kumar	3-D miniplate osteosynthesis – a method of treatment for mandibular fractures	Dr. Sanjeev Kumar	Dr. Mahendra Reddy
Dr. Vidhi Chhabra	Comparison of novocryl bioadhesive with standard silk sutures for closure of surgical wounds and lacerations in oro-facial surgery	Dr. Sanjeev Kumar	Dr. Pankaj Kukreja
Dr. Sakshi Bhartwal	Comparison between IMF screws and arch bar fixation in the treatment of mandibular fractures- A clinical study	Dr. Sanjeev Kumar	Dr. Lokesh Chandra
Dr. Siddharth Sharma	Open versus closed treatment of unilateral condylar fractures: a prospective study	Dr. Sanjeev Kumar	Dr. Sanjay Rastogi
Dr. Sumedha Kukreja	Effect of submucosal injection of dexamethazone sodium phosphate(8mg) on post operative sequelae after third molar extraction	Dr. Mahendra Reddy	Dr. Pankaj Kukreja
Dr. Aditya Bansal	A Comparative Study Of Alvogyl [®] & Zoe In The Management Of Dry Socket Syndrome	Dr. Sanjeev Kumar	Dr. Sukumar

Dr. Himanshu Thukral	Comparative analysis of post operative analgesic requirement in patient undergoing minor oral surgery using buprenorphine with lignocaine versus lignocaine- a double blind study	Dr. Vijay Mishra	Dr. Anuja
Dr. Rajratna Sonone	Evaluation of reduction and remaining dislocation by computed tomography scan after treatment of Zygomatic fracture	Dr. Sanjeev Kumar	Dr. Pankaj Kukreja
Dr. Rupshikha Chaudhary	A Comparison Of Pedicle Flap Design And Buccal Envelope Flap Design In Mandibular Third Molar Surgery-A Prospective Study	Dr. Pankaj Kukreja	Dr. Sanjeev Kumar
Dr. Shelly Sharma	A Prospective Comparative Analysis Of Transdermal Diclofenac Patch Versus Sustained Release Oral Diclofenac In Patients Undergoing Multiple Orthodontic Extractions	Dr. Anuja	Dr. Vijay Mishra
Dr. Suman Yadav	A Comparison Of 3-D Locking Titanium Plate With 3-D Conventional Titanium Plate In Management Of Mandibular Fractures	Dr. Anuja	Dr. Sukumar
Dr. Bharat Bhati	Compare piezoelectric surgery versus rotatory osteotomy technique in removal of mandibular impacted third molar	Dr. Pankaj Kukreja	Dr. Anuja
Dr. Deepak Singh	A comparative study of buccal fat pad with collagen membrane (sandwich technique) versus buccal fat pad as a wound dressing material for surgical defects of oral cavity	Dr. Vijay Mishra	Dr. Sanjeev Kumar
Dr. Kanika Singh	A Comparison of sequelae of coronectomy with odontectomy in impacted mandibular third molars	Dr. Sanjeev Kumar	Dr. Sukumar
Dr. Punnet Bansal	Evaluation of titanium lag screw osteosynthesis in management of mandibular fractures	Dr. Anuja	Dr. Sukumar
Dr. Shipra Bansal	A Comparison of intentional replantation of unsalvageable teeth with or without platelet-rich fibrin- a prospective study.	Dr. Sanjeev Kumar	Dr. Pankaj Kukreja
Dr. Yashmi Jaiswal	Efficacy of decalcified freeze dried bone allograft in the regeneration of small osseous defect- A comparative study	Dr. Anuja	Dr. Vijay Mishra

Dr. Aanchal Aggarwal	Comparative study of kazanjian's lipswitch and modified clark's vestibuloplasty	Dr. Harsh Jain	Dr. Vijay Mishra
Dr. Heena Aggarwal	A randomized prospective comparative study on 3 different plating modalities for fixation of fracture of angle of the mandible.	Dr. Amit Gupta	Dr. Harsh Jain
Dr. Itrat Hussain	Prospective randomized clinical study on evaluation of PRF vs ZOE in the management of alveolar osteitis	Dr. Sukumar Singh	Dr. Harsh Jain
Dr. Jyotish Saikia	Biomechanical & clinical comparative study between 3D Trapezoidal plate, Delta plate vs Mini plate for condylar fracture	Dr. Harsh Jain	Dr. Amit Gupta
Dr. Shivam Aggarwal	Comparative study of microbial adherence on various intra oral suture materials coated with and without antiseptic solution in a patient undergoing dental surgery.	Dr. Sanjeev Kumar	Dr. Vijay Mishra
Dr. Vaibhav Mukund	Efficacy of various administrative techniques of methylprednisolone on oedema, trismus and pain after mandibular third molar surgery	Dr. Sanjeev Kumar	Dr. Sukumar
Dr. Amit Bhati	To compare the efficacy of concentric needle-single puncture technique with the conventional two needle technique for temporomandibular joint arthrocentesis	Dr. Amit Gupta	Dr. Harsh Jain
Dr. Anshul Jain	Comparative Study Of The Effect Of Sutureless Wound Closure On Postoperative Pain, Swelling And Trismus After Impacted Mandibular Third Molar Surgery With And Without Placement Of Autologous Platelet Rich Fibrin In The Socket	Dr. Harsh Jain	Dr. Vijay Mishra
Dr. Lily Rajput	Efficacy of hybrid implant in replacement of missing teeth in maxillary and mandibular edentulous areas	Dr. Sanjeev Kumar	Dr. Amit Gupta
Dr. Mohit Mangla	To assess and evaluate the efficacy of basal implants in partially edentulous maxillary/mandibular ridge	Dr. Sukumar Singh	Dr. Sanjeev Kumar

Dr. Amanat Dhaliwal	Radiographic assessment of buccal cortical plate resorption after immediate implant placement in maxillary anterior freshly extracted socket	Dr. Harsh Jain	Dr. Sukumar
Dr. Anshuman Dwivedi	A neoteric procedure for alveolar ridge preservation using autogenous fresh mineralized tooth graft prepared at chair side.	Dr. Sukumar Singh	Dr. Harsh Jain,
Dr. Aparna Ray	A prospective study on evaluation of bone damage during molar removal by using three different osteotomy techniques-histopathological analysis	Dr. Sanjeev Kumar	Dr. Amit Gupta
Dr. Daksh Goel	A Comparative Study of Chitosan-Derivative Based Dressing and Topical Solution of Hemocoagulase as a Local Haemostatic Agent after Extraction of Tooth in Patients on Oral Anticoagulant Therapy	Dr. Harsh Jain	Dr. Amit Gupta
Dr. Harsh Kesharvani	To compare fixation by microplate and miniplate on the basis of stability on mandibular anterior fracture: An <i>In vitro</i> Study	Dr. Vijay Mishra	Dr. Sanjeev Kumar
Dr. Vivek Rai	Assessment of inferior alveolar nerve functions after lateralization surgery using a modified technique.	Dr. Sanjeev Kumar	Dr. Vijay Mishra

List of Short Studies

Students Name	Title of short study	Guide	Co-Guide
Dr. Mohit Mangla	Lingual flap versus triangular flap- A pilot study	Dr. Pankaj Kukreja	Dr. Sanjeev Kumar
Dr. Lily Rajput, Dr. Heena Agarwal	Modified protocol for third molar surgery based on Joseph F Piecllich recommendation	Dr. Sanjeev Kumar	Dr. Pankaj Kukreja
Dr. Lily Rajput	Use of amniotic membrane in post operative healing of socket after 3 rd molar surgery	Dr. Pankaj Kukreja	Dr. Sanjeev Kumar

Dr. Amit Bhati, Dr. Aanchal Aggarwal	Hemodynamic and cardiovascular effects of 0.5% ropivacaine and 0.5% bupivacaine for local anesthesia in impacted third molar surgery- a Randomised double blind, clinical study	Dr. Sanjeev Kumar	Dr. Pankaj Kukreja
Dr. Anshul Jain	Effect of povidone iodine, neem gel, turmeric gel in post operative complications of extraction socket	Dr. Vidhi C Rathi	Dr. Sanjeev Kumar
Dr. Anshul Jain	Effect of continuous & split arch bar on mandibular fracture	Dr. Pradeep Sharma	Dr. Sanjeev Kumar
Dr. Amit Bhati	Effect of topically applied intra socket corticosteroids on post operative sequelae after the complicated mandibular exodontia. A prospective clinical trial	Dr. Pankaj Kukreja	Dr. Rakshak Anand
Dr. Heena Agarwal	Effect of pre stretching of surgical stainless steel wire on their ultimate load bearing strength- A prospective study	Dr. Sanjeev Kumar	Dr. Pankaj Kukreja
Dr. Heena Agarwal	A randomised double blind, controlled evaluation of effectiveness of 2 chemical solutions for burs used in hospital based oral & Maxillofacial surgery clinic	Dr. Pankaj Kukreja	Dr. Pradeep Sharma
Dr. Heena Agarwal, Dr. Mohit Mangla	Effect of Triamcinalone gel in healing after placing it in third molar extracted tooth socket.	Dr. Rakshak Anand	Dr. Sanjeev Kumar
Dr. Aanchal Agarwal,	Electric stimulation for bone formation in extraction sockets- A prospective study	Dr. Sanjeev Kumar	Dr. Vidhi C Rathi
Dr. Kanika Singh	Incidence of impacted third molar "a radiographic retrospective study in north indian semi rural population'.	Dr. Vidhi C Rathi	Dr. Sukumar Singh
Dr. Kanika Singh	Comparison of Post-Operative Sequelae of Intra-Space Injection of Twin Mix versus Intraoral-Submucosal, Intramuscular, Intravenous and Per-Oral Administration of Dexamethasone after Removal of Impacted Mandibular Third Molar	Dr. Vidhi C Rathi	Dr. Sukumar Singh

Dr. Heena Agarwal	Effect of pre stretching of surgical stainless steel wire on their ultimate load bearing strength- A prospective study	Dr. Pankaj Kukreja	Dr. Rakshak Anand
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Percentage of students doing projects in collaboration with other universities/ industry/ institute-

Nil

Awards / recognitions received at the national and international level by

FACULTY

Dr Sanjeev Kumar

Dr. Sanjeev Kumar was felicitated by Sanjeevani Education Group in Lucknow on 18th Sept, 2016

Lecture on — Management of Condylar fractures at Facecon 2015 at India Habitat Centre, New Delhi on 14.03.15

Lecture on — Lingual control in mandibular fractures at AOMSI State chapter meet on Minor Oral Surgery and Maxillofacial Trauma at Bankey Bihari Dental College on 22.02.2015

Lecture on — Pediatric Pathologies and their management at International Conference of Dental Specialities at ITS Dental College, Muradnagar on 9th and 10th May 2014

Lecture on — Le Fort Osteotomies at Rhinorth II at ESIC Dental College, Delhi on 6th and 7th March 2014

Lecture on — Advances in Extraction Techniques at CDE on Minor Oral Surgery at Lady Hardinge Medical College, New Delhi on 24th August 2013

Lecture on — Management of white lesions at CDE on — An update on common potentially malignant disorders of the oral cavity at Subharti Dental College, Meerut on 15th February 2012

Lecture on — Pain Signs- Some pitfalls in Diagnosis & Treatment at 6th International Dental Students Conference at Seema Dental College, Rishikesh on 3rd-4th November 2012

Lecture on — Medical Emergencies in the Dental Clinic at 2nd Annual conference of Punjab State Chapter of AOMSI on 16th September 2012

Lecture on — Maxillofacial Infections at 36th Annual Conference of AOMSI, New Delhi on 23rd to 26th November 2011

Dr. Harsha Jain

Dr. Harsha Jain was awarded — Young Achiever in 2012 by IDS, Bareilly

Lecture on — Cleft Palate Renaissance, Bareilly 20th Sep. 2013

Dr. Sukumar Singh

- Lecture on basal implants at Yashoda hospital Kaushambi on 4th June 2016

Lecture in basal implant on 18th September 2016 at Sanjeevani education group, Lucknow.

STUDENTS

Presented poster on —World Cancer Day and awarded 3rd prize by Dr. Heena Agarwal and Dr. Vaibhav Mukund (MDS 2nd Year) on 4th February 2016.

Presented poster on —World Cancer Day and awarded 2nd prize by Dr. Amit Kumar and Dr. Mohit Mangla (MDS 2nd Year) on 4th February 2016.

Presented paper on In-vitro Biomechanical Assessment Of 3 Plating Techniques In Mandible by Dr. Radhika Lamba (Intern) moderated by Dr. Pankaj Kukreja and was awarded 1st prize in 28th ISDR Conference at I.T.S – Centre for Dental Studies & Research Muradnagar Ghaziabad on 20th -22nd November 2015

Presented paper on Comparison of 3 treatment modalities in the management of dry socket-An initial study by Dr. Richa Dua (Intern) moderated by Dr. Kumar Rakshak Anand and was awarded 2nd prize in 28th ISDR Conference at I.T.S – Centre for Dental Studies & Research Muradnagar Ghaziabad on 20th -22nd November 2015

Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any

S. No	Title	Date	Source of Funding	Attended By
1.	Workshop on orthognathic surgery	18 th -19 th February 2011	Delegates registration	More than 100 delegates
2.	Workshop on case planning in orthognathic surgery: An evolving science	18 th - 19 th may 2016	Delegates registration	More than 100 delegates
3.	Workshop on Micro vascular reconstruction of the mandible with free fibula graft	30 th August 2016	Delegates registration	More than 100 delegates

A Code of ethics for research followed by the departments

All the research projects of the department are sent to the Institutional Research Committee to check for the feasibility and then forwarded to the Institutional Ethical Committee for approval. Any research work which is taken up by either the students or the faculty is mandatorily presented in front the committee and only after seeking approval, research work is commenced. In cases of in vivo studies special emphasis is laid on not to delay the treatment or harm the patient' in any way. The Institutional Ethical Committee is recognized by the

Government of India and follows the ICMR Ethical Guidelines for Biomedical Research on Human participants, 2006 and the Helsinki Declaration Human Medical Experimentation Ethics Document, 2008.

Student profile program-wise

Name of the Program	Application received	Selected		Pass percentage %	
		Male	Female	Male	Female
BDS					
2012	350	20	77	95%	98.7%
2013	263	26	74	88.46%	97.36%
2014	249	26	74	100%	98.64%
2015	292	23	77	Ongoing batch	
2016	263	14	47	Ongoing batch	
MDS					
2013	152	3	3	100%	100%
2014	132	3	3	Ongoing batch	
2015	109	4	2	Ongoing batch	
2016	136	4	2	Ongoing batch	

Diversity of students

Name of the Program	% of students from the same University	% of students from other University within the State	% of students From University outside the State	% of Students from other Countries
MDS 2012	33.33%	50%	16.66%	NIL
2013	50%	50%	Nil	NIL
2014	33.33%	Nil	66.66%	NIL
2015	Nil	75%	25%	NIL
2016	66.66%	16.66%	16.66%	NIL

How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise

Nil

35. Student progression

Student progression	Percentage enrolled
UG TO PG	25 %
PG TO M.PHIL, DM/	Nil
PG TO Ph.D	Nil
Ph.d to Post Doctoral	Nil
Employed	
❖ Campus selection	9.52%

❖ Other than campus recruitment	38.09%
Entrepreneurs	52.38%

36. Diversity of staff

Percentage of faculty who are graduates	
Of the same university	30%
from other universities within the State	20%
from universities from other states	50%
from universities outside the country	Nil

Number of faculty who were awarded M.Phil., DM, M Ch, Ph.D., D.Sc. and D.Litt. during the assessment period

Nil

Present details of departmental infrastructural facilities with regard to

Library :

The department is equipped with a library which has 106 books of 59 titles and also stocks copies of all the thesis and library dissertations from previous years for ready reference.

Internet facilities for staff and students

Department is well connected with campus Wifi of 20 MBPS speed for internet access to staff as well as students. The students also have access to Wifi in their hostels after college hours.

Total number of class rooms

There are four classrooms in the college as per DCI requirement which are used by all the departments for conducting lectures for BDS students. In addition, the department is also equipped with a seminar room for post-graduate students.

Class rooms with ICT facility and „smart“ class rooms

All the classrooms are smart classrooms and have ICT facility. Two classrooms are equipped with smart boards.

Students“ laboratories

Nil

Research laboratories

In- house state-of -the-art research centre is available the facilities of which are being utilized by the department. The research centre has facilities for conducting research in the fields of genomics, microbiology, metallurgy and biochemistry

List of doctoral, post-doctoral students and Research Associates

from the host institution/university

: Nil

from other institutions/universities

: Nil

Number of post graduate students getting financial assistance from the university

Nil

Was any need assessment exercise undertaken before the development of new program (s)? If so, highlight the methodology

See number 42

Does the department obtain feedback from

Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

Regular feedback is obtained from faculty regarding curriculum and teaching methodology and is discussed in monthly department & HOD meetings and appropriate measures are enforced. It was noted by the faculty that a few students were regular defaulters in attendance. It was decided after discussion with head of the department that written assignments to be given to those students. Since then, attendance has improved remarkably. Secondly, it was also noted that the students did not read the topics taught to them which hampered the continuity of the succeeding lectures. It was then decided to hold a short revision by asking questions based on the topic of last lecture and then proceed with the new lecture.

The feedback from faculty regarding post-graduate students revealed that their case records were not being maintained properly. It was then decided to mandatorily present the case in the department along with case discussion within one week of surgery and submit the same to the head of the department.

Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Yes, the college collects Feedback Forms from the students on Staff, Curriculum and Teaching which are assessed periodically. Areas of improvement are shortlisted and rectified in consultation with the Faculty. The post graduates of final year felt that certain cases of oral submucous fibrosis are not willing for treatment due to the charges and discomfort of General Anesthesia. So, after inter departmental discussion, cases of OSMF are now being treated by soft tissue Lasers present in department of Periodontics under Local

anesthesia. Thus, the students benefit from the application of lasers as well as elimination of patient loss. .

Alumni and employers on the programs offered and how does the department utilize the feedback?

Yes there is a formal system of taking feedback from alumni at the annual alumni meet. Feedback is used to improve & strengthen teaching methodology and infrastructure. It was felt by our alumni that for case planning of large tumors or orthognathic surgery, we were still using conventional model surgery planning. Now, we have started using 3D models, for planning of such cases and also conducted a workshop for the same to help our students and alumni get firsthand experience with the use of 3D stereolithic models.

List the distinguished alumni of the department (maximum 10)

Dr. Ruchi Pathak Kaul	Consultant in Jai Prakash Narayan Trauma Centre (AIIMS) Delhi
Dr. Poonam Sharma	Completed fellowship in Head and neck oncology from Dharamshila Cancer Hospital, Delhi
Dr. Ankur Shrivastav	Completed Senior residency in Bara Hindu Rao, Delhi
Dr. Abhishek Rathi	Completed Honorary Senior residency in Bara Hindu Rao, Delhi
Dr. Sumedha Kukreja	Appointed as Senior Resident in Lady Harding Medical college, Delhi

Give details of student enrichment programs (special lectures / workshops seminar) involving external experts.

A scientific lecture was organized on 09 Jan 2012 on multi-fov Dental and Maxillofacial CBCT by Dr. Sharad Sahai, a renowned Oral and Maxillofacial Radiologist.

A symposium cum workshop was organized on pharmacovigilance and —Basic Life Support|| on 29th May 2012 by Professor H.M.S. Rehan, Lady Harding Medical College.

10th National Conference of Indian Association of Forensic Odontology —Molecular Insights into Forensic Odontology|| was organized on the 7th, 8th and 9th Sept 2012.

A CDE Program on —Full Mouth Rehabilitation|| as part of 26th PFA convocation & award ceremony was organized by Dr Veena Jain (HOD Dept. of Prosthodontics CDER, AIIMS).

15th Indian Prosthodontic Society's Post Graduate Student National Convention was held from 14th – 16th June, 2013.

An International Conference was organized on 9th and 10th May, 2014 in association with International Association of General Dentistry.

A workshop was organized on —Bioethics in Clinical Research|| on 1st September, 2014 by Dr. Sachin Manocha (Asth. Prof. Vardhman

Mahavir Medical College, Safdarjung Hospital), Dr. V. Kalaiselvan (Principal Scientific Officer, Indian Pharmacopeia Commission) and Dr. Prem Chopra Renowned Pathologist Ex. AIIMS, Sr. Consultant Sir Ganga Ram Hospital.

Workshop on —Current Trends in Education & IQA| by ITS Centre for Dental Studies & Research, Delhi-Meerut Road, Ghaziabad on 20th December 2014

On 27th March 2015, a CDE was conducted jointly by the Department of Oral & Maxillofacial Surgery & the Mirell Dental Implant Systems on the topic —Innovations in Implantology| by Dr. Ronin Brodovski, an eminent Implantologist from Tel Aviv, Israel. The 16th IACDE PG Convention was held from 4th to 6th June 2015.

A scientific lecture was organized on Oral cancer day in 2015 by Dr. K.V. Arun Kumar on cancer awareness at ITS CDSR, Murad Nagar

Indian Dental Student Conference was conducted on 15th and 16th March, 2016 in association with Indian Dental Association, Comprehensive Implantology course was conducted on 7th March, 2016 as a part of Dentist Day Celebrations by Dr Lanka Mahesh (Visiting Professor, University of Murcia, Spain; Asia Pacific Brand Ambassador, International College of Oral Implantologists and course co-coordinator- Bioner)

A symposium cum workshop was conducted by the department of pharmacology on 3rd August, 2016 on basic life support by Dr Rajesh Kalra.

A single day workshop was conducted on —Microvascular Fibula Free Flap Reconstruction of the mandible, a live surgical Demonstration on 30th August 2016 by Dr. Rajan Arora, consultant plastic surgeon at Rajiv Gandhi Cancer Hospital, New Delhi.

A 2 day workshop was conducted on —Practice Management|, module – 2 on 28th-29th September 2016 by Dr. Ajit Shetty.

List the teaching methods adopted by the faculty for different programs including clinical teaching.

The goals and the vision statement of our institution are outlined in the initial documents are student centric and are met by regular interaction between the faculty and the students. The clinical teaching has been further sub divided into:

- Knowledge

To enhance the knowledge and learning capacity of students, they are duly assigned their topics for presentation of seminars and journal clubs. These presentations encourage them to study the topics in detail and strengthen their theoretical foundation. Along with this, regular discussions are conducted with students related to cases to further help them correlate theoretically and clinically.

Skills

The surgical skills of the students are improvised by preclinical exercises to give them demonstration of suturing and wiring techniques before actually performing on the patients. The various surgical procedures are first demonstrated by the faculty and then are performed by the student under the guidance to learn the finer details by self experience. The skills are further nurtured by interaction during the surgical procedure to promote application of theory knowledge application in surgical management

Attitude

The patients are to be treated with utmost care and humanity. Thus, the student's behavior while treating the patient is assessed randomly and routinely by the faculty. In order to minimize the treatment time, records are checked to emphasize on time management. The overall attitude of the student is assessed by the faculty members to promote compassionate treatment of the patients

How does the department ensure that program objectives are constantly met and learning outcomes are monitored?

The program objectives are based on the principles of knowledge, skill and attitude. Emphasis is placed on outcome based education. Written and practical exams at regular intervals serve to monitor progress and assess theoretical knowledge and clinical skill of students. The time management skills of the students are assessed through Orion software which helps to monitor patient appointments and waiting times. The diagnostic skills are assessed through presentation of cases on a weekly basis. The students are instilled with a compassionate attitude towards their patients. Feedback is obtained from the patients and conveyed to the concerned student to assess their professional attitude and communication skills.

Highlight the participation of students and faculty in extension activities. Students and faculty regularly participate in:

S.No.	Date of events	Name of Events
1.	18/02/2012	Euphoria (A Cultural Extravaganga)
2.	14/06/2012	Blood Donor Day
3.	28/07/2012	World Hepatitis Day
4.	05/09/2012	Teachers day celebration
5.	30/11/2012 to 01/12/2012	Occlusion 2012
6.	30/03/2013	Alumni meet 2013 convocation
7.	22/04/2013 to 27/04/2013	Sports Day
8.	03/05/2013 to 04/05/2013	Inter batch competition- Euphoria 2013
9.	31/05/2013	World No Tobacco Day
10.	29/07/2013	World Hepatitis Day (Know IT, Confront IT)

11.	05/09/2013	Teacher's Day celebration
12.	13/09/2013	Fresher's Party of 14th BDS Batch (2013-17)
13.	04/02/2014	World Cancer Day
14.	13/02/2014	Oral & Maxillofacial Surgeon's Day
15.	05/04/2014	Annual Convocation ceremony & Alumni Meet
16.	06/08/2014 to 08/08/2014	Euphoria- 2014 Academic excellence & cultural award day
17.	05/09/2014	Teachers Day celebration
18.	19/09/2014	Fresher's party 15th Batch BDS (2014-18)
19.	27/08/2014	Cancer screening camp
20.	28/07/2014	World Hepatitis day
21.	12/12/2014 to 13/12/2014	Occlusion 2014
22.	13/02/2015	Oral & Maxillofacial Surgeon's Day
23.	02/03/2015	White Coat ceremony
24.	08/03/2015	Women's Day Celebrations
25.	04/04/2015	Convocation ceremony & Alumni Meet – 15
26.	28/05/2015 to 30/05/2015	Euphoria 2015 "Interclass Cultural Fiesta"
27.	28/07/2015	World Hepatitis day
28.	16/09/2015	Hostel Day celebration
29.	21/09/2015	Fresher's Party 16th Batch BDS (2015-2020)
30.	04/02/2016	World Cancer Day
31.	06/02/2016	White Coat Ceremony
32.	13/02/2016	Oral & Maxillofacial Surgeon's Day
33.	16/02/2016 to 18/02/2016	Staff Development Program
34.	08/03/2016	Women's Day Celebrations
35.	15/03/2016- to16/03/2016	Euphoria 2015 "Interclass Cultural Fiesta"
36.	21/05/2016	Convocation ceremony & Alumni Meet - 16

Both Undergraduate and postgraduate students are also actively involved in the camps held by Department of Community Dentistry.

S.No.	Year	Total No. of Camps Held
1.	2012	153
2.	2013	162
3.	2014	167
4.	2015	150
5	2016	126

Give details of “beyond syllabus scholarly activities” of the department.

The department encourages students to participate in scholarly activities which are beyond their syllabus by guiding and motivating the students to present posters in conferences as well as to take up short term studies

in addition to their thesis which helps to develop a better understanding of statistical methods before they take up thesis work. Students have participated in continuing dental education programs and workshops conducted by other specialties to enhance their knowledge base and encourage lateral thinking in terms of inter-disciplinary approach.

Some of the programs attended by the post-graduate students are listed below:

- Pharmacovigilance and Basic life support on 29th May 2012 at ITS-CDSR Muradnagar.
- 10th National conference of Forensic Odontology on 7th – 9th Sep 2012 at ITS- CDSR Muradnagar.
- Delhi Dental Show‘ held at Pragati Maidan, New Delhi on 12th to 14th Oct. 2012.
- Lecture by Colgate/ IDA for future dental professionals programme on 31st Oct 2012 in ITS-CDSR, Muradnagar.
- 26th PFA Colgate CDE program‘ held at ITS Greater Noida on 15th dec.2012.
- Workshop on Dental Sleep Medicine- Perspectives and Strategies for management on 16th Feb 2013 in ITS-CDSR, Muradnagar..
- Indian Dental Student Conference at I.T.S CDSR, Muradnagar on 23rd & 24th Nov 2013.
- International Conference of Dental Specialties at I.T.S CDSR Muradnagar on 9th & 10th May 2014.
- Workshop on Bioethics in Clinical Research at ITS Dental College on 1st Sept 2014.
- Lecture on —Current trends in education and IQA|| at ITS Dental College on 20th Dec 2014.
- Student Exchange Program Tufts School of Dental Medicine at Boston, USA on 5th-18th July 2015.
- Pre-Conference Course on Implantology for beginners|| at I.T.S-C.D.S.R on 18th Nov 2015.
- IDA Student Conference|| at I.T.S.-C.D.S.R on 15th -16th March 2016
- Personality Development Program at I.T.S.-C.D.S.R on 16th April 2016.
- Live Surgical Workshop on —Head & Neck Cancer|| at Saraswati Institute of Medical Science, Anwarpur, Hapur on 06th August 2016
- 28th ISDR Conferencel at I.T.S.-C.D.S.R on 20th -22nd Nov 2016.
- Comprehensive Implantology Program being conducted in collaboration with Bioner Implants and recognized by ICOI (International Congress of Oral Implantologists).
- 41st Annual Conference of Association of Oral and Maxillofacial Surgeons of India Ahmadabad from 24th – 26th November 2016

State whether the program/ department is accredited/ graded by other agencies? If yes, give details.

All the programs are recognized by the Dental Council of India

Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

Research projects are undertaken as an attempt to add new knowledge to the specialty. Research work is also done in collaboration with other departments. Other than the dissertation which is a part of the curriculum students are encouraged to take up short research studies.

Research laboratory facilities have been used to evaluate the biomechanical principles which guide trauma management by utilizing animal models (goat mandibles).

Strength of stainless steel wires used for osteosynthesis in fracture management had not been studied previously. We evaluated the tensile strength of various gauge of wires in the UTM machine and established the scientific basis for using 26G wires.

Bacterial adherence on different suture materials used intra-orally is a matter of concern in developing postoperative infections. We established the microbiological basis of why certain suture materials are better than others when used in the mouth.

Basal implants do away with the need of bone grafting in resorbed ridges. We are studying this new concept of dental implantology in our department.

We regularly use piezosurgery for an ever-widening range of surgeries. This is a new method of osteotomy not available in majority of dental colleges.

3D printing technology has many applications in reconstructive and esthetic surgeries. We use this technology to plan our surgeries wherever feasible.

Oral submucous fibrosis is a difficult condition to treat. We are using laser excision for such cases which is giving encouraging results.

Autogenous tooth as a graft material has not been adequately studied in the world literature. We are conducting a prospective study to see the feasibility of using the patient's own tooth as a bone graft material.

Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

STRENGTHS

Major strength lies in the strong academic atmosphere that the faculty encourages in the department. There are regular discussions, case presentations, journal clubs and seminars for PG students, undergraduate students and interns apart from clinical training.

Discipline is a major strength of the department. All faculty, students and staff are encouraged to be on time and to follow deadlines. We believe in the dictum —Discipline is the refining fire by which talent becomes ability.

Excellent rapport within the department and with other departments of the college is one of our greatest strengths. Thus, whenever the patient requires complex management involving more than one department, we are able to discuss the case in joint clinics and become part of a multidisciplinary team.

A compassionate attitude towards the patients is our enduring strength. Since we deal with serious trauma, life-threatening infections and terminal diseases such as cancers, it is imperative that we have a confident yet sympathetic disposition toward the patient. Our ability to relate to allied medical specialists e.g. plastic surgeons, otolaryngologists, oncosurgeons etc. have helped us to broaden our scope of understanding of diseases of head and neck. From time to time we have interacted with renowned specialists and learnt from them.

WEAKNESS

We strive to provide more opportunities to our students and faculty for getting more experience in advanced surgical procedures e.g. reconstructive surgeries which at the moment are sparingly done in our department

OPPPORTUNITIES

The institution is located in a rural surrounding which provides us the opportunity to increase the awareness of the population towards the facial deformity and early intervention in such cases especially cleft lip and palate and TMJ ankylosis. Early intervention in all these cases helps in attaining better results and also better social adaptability.

CHALLENGES

To continue to achieve success in demanding procedures so that the standard of care does not falter.

To increase the inflow of patients commensurate with the requirements of a global training centre in Oral & Maxillofacial surgery.

Future plans of the department.

To associate with international charities e.g. Smile Train, Operation Smile, Rotary Club etc. in order to develop the department as a centre for cleft surgeries.

Develop a museum within the department which will be used to educate the general public as well as students regarding disease, disorders and surgical treatment of head and neck area.

To give an impetus to the Government's initiative for the —girl child by developing innovative strategies of improving the oral health of pregnant and young females.

DEPARTMENT OF PUBLIC HEALTH DENTISTRY

Name of the Department: Department

of Public Health Dentistry

Year of

establishment: 2000

Is the Department part of a college/Faculty of the university

Department is part of ITS Dental College, Muradnagar, Ghaziabad which is affiliated to Choudhary Charan Singh University, Meerut.

Names of programs offered (UG, PG, PharmD, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.)

UG- BDS

PG- MDS

Interdisciplinary programs and departments involved

The department is involved with other specialties for encouragement and develop an Interdisciplinary approach for the upliftment and betterment of the patients receiving comprehensive care. Department collaborates with Pedodontics & Orthodontics Department for school camps. The rural and urban camps organized by the department are also attended by the post Graduates of other departments and faculty on rotational basis. At the satellite clinics, all postgraduates are posted on regular basis. Postgraduates from Department of Oral medicine & radiology and Oral and Maxillofacial Pathology are posted regularly for doing Clinical Procedures and are also guided by the faculty of Department of Conservative & Endodontics regarding treatments especially Root Canal Treatment.

Courses in collaboration with other universities, industries, foreign institutions, etc.

A post-graduate student attended the Comprehensive Implantology Program being conducted in collaboration with Bioner Implants and recognized by ICOI (International Congress of Oral Implantologists).

Details of programs discontinued, if any, with

reasons Nil

Examination System: Annual/Semester/Trimester/Choice Based Credit System

BDS: Annual University Examination System, Internal assessment in each trimester University Exam after 3 years
 MDS: years

Participation of the department in the courses offered by other departments

The Final year Post graduate students have been a part of various courses offered by other departments in the college such as:-

A post graduate student attended the comprehensive Implant Course conducted by Department of Prosthodontics under the following modules :-

- First Module: 18th -20th July 2016
- Second Module: 8th -10th August 2016
- o Third Module: 6th -8th September 2016
- Fourth Module: 3rd -6th October 2016

Final year postgraduate students attended the Practice Management workshop conducted by Department of Conservative & Endodontics on 27th-28th August 2016

Final year post-graduate students attended CBCT workshop conducted by Department of Oral Medicine & Radiology on 21st-23rd September 2016.

All the postgraduates attended the Pharmaco-vigilance workshop conducted by the Department of Pharmacology 29th May 2012

Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned (As Per DCI Requirement For 1 Unit)	Filled
Professor	1	1
Associate professor/Reader	2	2
Assistant professor/ Senior lecturer	1	2
Tutor	0	7

Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

S.No	Name	Qualification	Designation	Specialization	No. of Years of Experience
1.	Dr. Ashok Mohapatra	MDS	Professor & Head	Public Health Dentistry	30 +Years
2.	Dr. Ipseeta Menon	MDS	Reader	Public Health Dentistry	07 Years 6 months
3.	Dr. Avnish Singh	MDS	Reader	Public Health Dentistry	06 years 6months
4.	Dr. Ricky Pal Singh	MDS	Senior Lecturer	Public Health Dentistry	02 years 6months
5.	Dr. Anubhav Sharma	MDS	Senior Lecturer	Public Health Dentistry	1 year
6.	Dr. Shakun Pathak	BDS	Tutor	Not Applicable	03 years 1 months
7.	Dr. Vaibhav Sarabhai	BDS	Tutor	Not Applicable	03 years 6 months
8.	Dr. Abhijet Kasera	BDS	Tutor	Not Applicable	02 years 3 months
9.	Dr. Munazir Hussain	BDS	Tutor	Not Applicable	1 year 6 months
10.	Dr. Akhil Manocha	BDS	Tutor	Not Applicable	1 year 6 months
11.	Dr. Ankit Negi	BDS	Tutor	Not Applicable	10 months
12.	Dr. Subham Sharma	BDS	Tutor	Not Applicable	6 months

For research under guidance refer to Question no. 28

List of senior Visiting Fellows, adjunct faculty, emeritus professors

Nil

Percentage of classes taken by temporary faculty – program-wise information

There is no temporary faculty associated with the department.

Program-wise Student Teacher Ratio

BDS – 8:1

MDS – 3:5

Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

S.No.	Sanctioned	Filled
Support Staff (Technical)	6	6
Administrative staff	2	2

Research thrust areas as recognized by major funding agencies

Nil

Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

Nil

Inter-institutional collaborative projects and associated grants received a) National collaboration b) International collaboration

Nil

Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received

Nil

Research facility / centre with :

State recognition

National recognition

International recognition

In-house state-of-the-art research centre is available in the institution, facilities of which are being utilized by the department.

Special research laboratories sponsored by / created by industry or corporate bodies

Nil

Publications:

- **Number of papers published in peer reviewed journals (national / international)**
25 (National 14, International 11)

Year-wise list of publications**2011**

I Menon, R Nagarajappa. Role of Dentists in Disaster Response: Indian Perspectives. Journal of Indian Association of Public Health Dentistry 9 (5), 271

I Menon, H Parkash. Global Health Education, a Path to Productivity and Awareness-an Indian Perspective. Global Journal of Health Science 3 (2), 187

S Prasad, I Menon, R Nagpal, R Dupare. Oral health status and treatment needs among institutionalized elderly in Ghaziabad. *Journal of Indian Association of Public Health Dentistry* 9 (18), 910

S Vaish, I Menon. Periodontitis and Cardiovascular Diseases—A Review on causality hypotheses. *International Journal of Public Health Dentistry* 2 (1), 13-18

2012

5. Menon I, Parkash H. Women and Tobacco – A total misfit or miss unfit – *Indian J Dent Res* 2012; 23:537-41

2013

Arora D, Aruna DS, Menon I, Dixit A, Sharma A. Cross sectional survey on knowledge and attitude towards identifying and reporting of suspicious activities among patients attending private dental college in Muradnagar, Ghaziabad. *Indian Journal of Forensic Odontology* 2013; 6(1): 5-12

Agarwal V, Menon I, Singh A. The potential role of mobile phones in the spread of bacterial infections. *J Innov Dent*. 2013; 3(3):16-20.

Prasad S, Menon I, Dhingra C, Anand R. Awareness of consumer protection act among dental health professionals in Dental schools of Ghaziabad, India. *Oral Health Dent Manag*. 2013 Dec; 12(4):262-8.

Menon I, Nagarajappa R, Ramesh G, Tak M. Parental stress as a predictor of early childhood caries among preschool children in India. *Int J Paediatr Dent* 2013; 23 (3): 160-5.

Kote S, Dhaginakatti AS, Singh A, Dadu M, Arora D. Predictors of oral hygiene behavior and expected social outcomes in patients attending Private Dental Institution in Muradnagar, Ghaziabad. *Journal of Dental Specialities* 2013;1:10-16.

Singh A, Sharma A, Dixit A, Arora D, Dhaginakatti AS, Kote SK. Survey on public perception towards oral health and oral practices in Muradnagar, India. *Journal of Dental Specialities* 2013;2:4-12.

Thanveer K, Ajithkrishnan CG, Bafna H, Ricky Pal S, Kalyan P. Student perspectives and opinions on their dental outreach posting experience at Vadodara, India in *Indian Journal of Dental education*, 2013;6(4):5-9

Gunjal S, Bafna H, Ricky Pal S. —Oral health related knowledge, attitude and practices among rural population of Davangere district. *RGUHS J Dent. Sciences*, January 2013;5(1):1-5

2014

Ricky Pal S, Ajithkrishnan CG, Thanveer K, Harshal B, Hemal P. An in-vivo evaluation of coriander seeds chewing on salivary pH in JADCH, March-August 2014;5(1):31-35

Harshal B, Ajithkrishnan CG, Thanveer K, , Ricky Pal S, Hemal P. Knowledge, attitude and practice regarding oral cancer and screening procedures among primary health care and community healthcare workers of Waghodia, Gujarat in JADCH, March-August 2014;5(1):21-25

Ajithkrishnan CG, Thanveer K, Ricky Pal S. An in-vivo evaluation of fennel seeds chewing on salivary pH in J Oral Health Comm Dent 2014;8(2):79-81

Anand R, Dhingra C, Prasad S, Menon I. Betel nut chewing and its deleterious effects on oral cavity. J Can Res Ther. 2014 Jul-Sep;10(3):499-505.

2015

Yadav P, Mohapatra A, Agrawal M, Jain A, Singh D. Change of fluoride level in blood following ingestion of sodium fluoride tablet in hostel inmates of a private Dental College. Arch of Dent and Med Res 2015;1(4):1-4

Arora D, Marya CM, Menon I, Oberoi SS, Dhingra C, Anand R. Cross sectional survey on association between alcohol, betelnut, cigarette consumption and health promoting behaviour of industrial workers in Ghaziabad. APJCP. 2015;16(1):139-144.

Sharma A, Menon I, Aruna DS, Dixit A. Prevalence of Malocclusion and Treatment Needs Among 12 to 15 Years old school children in Muradnagar, Uttar Pradesh. Journal of Dental and Medical Sciences. 2015 Jan; 14(1): 60-65

Singh A, Menon I, Aggarwal V, Kukreja B, Kukreja P. Evaluation of quality of dental care and patient's perception for Treatment received in dental institution in Ghaziabad, Uttar Pradesh. IJO CR 2015;3:10-14

Bafna HP, Ajith Krishnan C G, Kalantharakath T, Kalyan P, Arhi RP. An In-vitro Evaluation of the Effect of Anti-candidal Herb (Olive) on Streptococcus Mutans. Indian J Oral Health Res 2015;1:20-3

2016

Sharma H, Yunus G, Mohapatra A, Kulshretha R, Agarwal R, Kalra M. Antimicrobial efficacy of three medicinal plants Glycyrrhiza glabra, Ficus religiosa and plantago major on inhibiting primary plaque colonizers and periodontal pathogens: An in vitro study. Indian J Dent Res 2016;27:200-4

Chhina S, Singh A, Menon I, Singh R, Sharma A, Aggarwal V. A randomized clinical study for comparative evaluation of Aloe Vera and 0.2% chlorhexidine gluconate mouthwash efficacy on de-novo plaque formation. J Int Soc Prevent Communit Dent 2016;6:251-5.

Amrita P, Sangam M, Ricky Pal S, Rabbpreet B, Varun S. Evaluation A step towards precision : A Review on Surgical Guide Templates for Dental Implants. IJSS2016;3(11):262-266

- **Monographs:** Nil
- **Chapters in Books:** Nil
- **Books edited :** Nil

Books with ISBN with details of publishers:

- Essential quick review community dentistry- Dr Ipseeta Menon (ISBN 978-9-386-056-23-8)
- E-book published on —Recent advances in caries diagnosis| Lambert Academic Publishing by Dr. Ricky Pal Singh (ISBN – 978-3-659-570-76-6)

Numbers listed in International database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database- International Social Sciences Directory, EBSCO host, Medline, etc.)

All the publications are listed in International database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, Medline, etc.)

Citation Index

Faculty	Citations since 2011	No. of Publications	Avg.	Range	Dept. Avg.
Dr. Ipseeta Menon	40	11	3.63	0.25 to 3.63	1.28
Dr. Avnish Singh	1	4	0.25		
Dr. Ricky Pal	2	8	0.25		
Dr. Anubhav	1	1	1.00		

- SNIP
- SJR
- Impact factor- range/ average
- H-Index

Name	H index
Dr. Ipseeta Menon	03
Dr. Avnish Singh	01
Dr. Ricky Pal Singh	01
Dr. Anubhav Sharma	01
Total	06

H-index = 6
Range = 1-3
Average = 1.5

23. Details of patents and income generated

Same as number 24

24. Areas of consultancy and income generated

	2016	2015	2014
Number of patients	20666	22029	19334
Income generated	2,39,365	1,78,895	30,090

25. Faculty selected nationally/ internationally to visit other laboratories/ institutions/ industries in India and abroad

NIL

26. Faculty serving in a) National committees b) international committees c) Editorial boards d) Any other (specify)Dr. Ipseeta Menon**Reviewer**

1. International Journal of Pediatric Dentistry.
2. Journal of Dentistry and Oral Hygiene.
3. Educational Research.
4. International Journal of Nutrition and Metabolism.
5. International Journal of Peace and Development Studies.
6. Journal of Natural Science, Biology and Medicine.
7. Journal of Indian Association Public Health Dentistry.

Editorial Board

Editorial Support Team in Journal of Dental Specialties. (JDS)
 Editorial Board in International Journal of Dental Science. (IJDE)
 Editorial Board in Acta Scientifica International open Library
 Editorial Board in Aperito Journal of oral health & Dentistry

Dr. Ricky Pal Singh**Reviewer**

Journal of clinical & diagnostic research
 Dental Science Journal

Technical Support

1. Journal of Dental Specialties. (JDS)

Dr. Anubhav Sharma**Reviewer**

Journal of clinical & diagnostic research

Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs).

The faculty members regularly attend and are actively involved in leadership programs, teacher training workshops and CDE programs. Following is a detailed list of programs attended by the faculty

Dr. Ipseeta Menon

- Attended CDE Program on Diagnostics Dilemmas: unfolding the clinical approach at Subharti Dental College on February 2013
- Attended 12th ISP PG Convention: Perio Rang at ITS –CDSR, Greater Noida on 1st-3rd March, 2013.
- Attended 10th PG Convention, ISPPD, at Sirifort Auditorium, Delhi, on 14th – 16th March, 2013.
- Attended CDE Program on Research and clinical trials – design and practical aspects at Institute of Dental Sciences, Bareilly on 29th April 2013.
- Attended 15th IPS PG Convention at ITS-CDSR, Muradnagar, Ghaziabad on 14th – 16th June, 2013.
- Attended XVIII IAPHD National Conference, at Lucknow from 22nd – 24th Nov 2013.
- Attended CDE program on Research methodology in DJ Dental College Modinagar, on 8th Feb. 2014.
- Attended CDE program on —Insight into Questionnaire Designing Validation and Problem Solving| in SGT Dental College Gurgaon, on 10th March. 2014.
- Attended ICDS conference in I.T.S- Muradnagar on 9th -10th May 2014.
- Attended 8th National IAPHD Convention in Greater Noida on 5th - 6th June, 2014.
- Attended Bio-ethics in clinical research held at I.T.S CDSR, Muradnagar on 1st September 2014.
- Attended —Current trends in education and IQA| held at I.T.S CDSR, Muradnagar Ghaziabad on 20th December 2014.
- Attended 16th IACDE – IES PG Convention, at I.T.S Dental College, Muradnagar, on 4th – 6th June 2015.
- Attended National Evidence based dentistry conference on 21st -22nd August 2015.
- Attended 28th ISDR Conference on 20th – 22nd November 2015, at ITS- CDSR, Muradnagar.
- Attended Indian Dental Student Conference on 15th-16th March 2016, at ITS-CDSR, Muradnagar.
- Attended workshop on Evidence based CDE program and Workshop on Principles and Practice of Tobacco cessation on 26th May 2016
- Attended IAPHD national Conference in Bhubaneswar November 2016 attended CDE on Tobacco Cessation on 27-8-16 held in Lucknow

Dr. Avnish Singh

- Attended CDE program on —Insight into Questionnaire Designing Validation and Problem Solving| in SGT Dental College Gurgaon, on 10th March. 2014.
- Attended ICDS conference in I.T.S- Muradnagar on 9th -10th May 2014.

- Attended 8th National IAPHD Convention in Greater Noida on 5th - 6th June, 2014.
Attended Bio-ethics in clinical research held at I.T.S CDSR, Muradnagar on 1st September 2014.
Attended —Current trends in education and IQA|| held at I.T.S CDSR, Muradnagar Ghaziabad on 20th December 2014.
Attended 16th IACDE – IES PG Convention, at I.T.S Dental College, Muradnagar, on 4th – 6th June 2015.
Attended 28th ISDR Conference on 20th – 22nd November 2015, at ITS-CDSR, Muradnagar.
Attended Indian Dental Student Conference on 15th-16th March 2016, at ITS-CDSR, Muradnagar.

Dr. Ricky Pal Singh

Attended Workshop on —Research Methodology and Biostatistics|| at MGM Dental college, Navi Mumbai in 2012.
Workshop on —Research Methodology and Biostatistical Analysis|| at Karnavati school of dentistry, Ahmedabad in 2012.
National CDE programme of Dept. of Oral Medicine —Oro-facial Pain- Diagnostic enigmall at Karnavati school of dentistry, Ahmedabad
Attended and Paarticipated in Gyanddep-2012 at KM Shah Dental College & Hospital, Vadodara.
Attended workshop at Pacific Dental College in 2012.
Attended IAPHD 17th national conference at Chennai in 2012.
Attended IAPHD 6th National PG convention, at Sri Sai College of Dental Sciences, Vikarabad in 2012.
Attended National CDE programme of Dept. Of Pedodontics —Cleft Lip & Cleft Palate at KMSDCH in 2012.
Attended National Workshop of Dept. Of Periodontology —Biomedical Research- A step to Refinement|| at KMSDCH in 2012.
Attended CDE programme of Dept. Of Pedodontics —Crown In Pediatric Dentistry|| at KMSDCH.
Attended Symposium on —Potentially malignant disorders of oral cavity|| at Kailash Cancer hospital in 2012.
Attended CDE programme of Dept. Of Orthodontics on —Transforming orthodontics|| at KMSDCH in 2012.
Attended CDE programme of Dept. Of Public Health Dentistry on —Scientific Expressions|| at KMSDCH in 2012.
Attended Attended IAPHD 7th national convention organized by
Attended IAPHD 18th national conference at Sardar Patel Dental College, Lucknow in 2013.
Attended IAPHD 19th National Conference at Cochin, Kerela in 2014
Attended CDE programme of Dept. Of Public Health Dentistry on —Herbal Dentistry|| at KMSDCH in 2014.

Attended National Evidence based dentistry conference on 21st -22nd August 2015.

Attended 28th ISDR Conference on 20th – 22nd November 2015, at ITS-CDSR, Muradnagar.

Attended Indian Dental Student Conference on 15th-16th March 2016, at ITS-CDSR, Muradnagar.

Attended workshop on Evidence based CDE program and Workshop on Principles and Practice of Tobacco cessation on 26th May 2016.

Dr. Anubhav Sharma

Attended XVIII IAPHD National Conference, at Lucknow from 22nd – 24th Nov 2013.

Attended CDE program on Research methodology in DJ Dental College Modinagar, on 8th Feb. 2014.

Attended CDE program on —Insight into Questionnaire Designing Validation and Problem Solvingl in SGT Dental College Gurgaon, on 10th March. 2014.

Attended ICDS conference in I.T.S- Muradnagar on 9th -10th May 2014.

- Attended 8th National IAPHD Convention in Greater Noida on 5th - 6th June, 2014.

Attended Bio-ethics in clinical research held at I.T.S CDSR, Muradnagar on 1st September 2014.

Attended —Current trends in education and IQA held at I.T.S CDSR, Muradnagar Ghaziabad on 20th December 2014.

Attended 16th IACDE – IES PG Convention, at I.T.S Dental College, Muradnagar, on 4th – 6th June 2015.

Attended 28th ISDR Conference on 20th – 22nd November 2015, at ITS- CDSR, Muradnagar.

Attended Indian Dental Student Conference on 15th-16th March 2016, at ITS-CDSR, Muradnagar.

Attended workshop on Evidence based CDE program and Workshop on Principles and Practice of Tobacco cessation on 26th May 2016.

Student projects

Percentage of students who have taken up in-house projects including inter-departmental projects -

100 % - All post-graduate students undertake in-house projects which may involve other departments. The in-house projects may be divided into thesis and short studies as listed below.

Research Conducted in-house including inter-departmental research

List of Thesis

S. No	Topic	PG student (Batch)	Guide	Co-guide
1	Prevalence of Malocclusion and Treatment needs among 13 to 15 years school going children in Ghaziabad, Uttar Pradesh.	Dr. Abhinav Sharma	Dr. Ipseeta Menon	Dr. Aruna D.S
2	Malnutrition and Oral Health of Tribal Pre-school Children in Narmada, Gujarat	Dr. Arti Dixit	Dr. Aruna D.S	Dr. Vinod Sachdeva
3	Evaluate the effectiveness of School Dental Health Education Programmes in improving Oral Health Knowledge, Oral Hygiene Practices and Status of 12-13 year old School Children in rural Muradnagar.	Dr. Dimple Arora	Dr. Aruna D.S	Dr. Ipseeta Menon
4	Prevalence and predictors of trauma to permanent anterior teeth among 12 and 15 years old school children in Muradnagar, Uttar Pradesh	Dr. Anubhav Sharma	Dr. Aruna D.S	Dr. Meera Sandhu
5	Prevalence of Temporomandibular joint disorders among 18-23 year old student population in Muradnagar	Dr. Richa Arora	Dr. Aruna D.S	-
6	Association of dental caries prevalence and oral hygiene indicators among 12 and 15 years old school children in Muradnagar using ICDAS II	Dr. Shivani Shokeen	Dr. Ipseeta Menon	Dr. Aruna D.S
7	Oral Health Status and treatment needs among 12 and 15 years old school children in Ghaziabad city Uttar Pradesh.	Dr. Jyoti Singh	Dr. Ipseeta Menon	Dr. Avnish Singh
8	Tooth Wear: Prevalence and Associated Risk Factors among 18-30 Years old Students Population in Muradnagar, Ghaziabad	Dr. Manpreet Khurana	Dr. Ashok Mohapatra	Dr. Ipseeta Menon
9	Molar Incisor Hypomineralisation: Prevalence and Risk Factors Among 7-9 Years old School Children in Muradnagar, Ghaziabad	Dr. Archana Rai	Dr. Avnish Singh	Dr. Ipseeta Menon
10	Association of Feeding Practices, Body Mass Index with Early Childhood Caries among 3-5 years old Pre-School Children in Modinagar city.	Dr. Disha Latiyan	Dr. Ipseeta Menon	Dr. Avnish Singh

11	Association between Dental Caries Prevalence evaluated by CAST Index and Socio behavioural Factors of School Children aged 12 and 15 years in Muradnagar, India	Dr. Vidya Goswami	Dr. Ashok Mohapatra	Dr. Ipseeta Menon
12	Prevalence Survey on role of Clinical & Socio behavioural Factors Influencing oral health related quality of life among elderly Population in Muradnagar, India.	Dr. Venkat R Singh	Dr. Ashok Mohapatra	Dr. Avnish Singh
13	Effectiveness of oral health education program to Anganwadi workers on improving oral health status of preschool children of Muradnagar	Dr. Upasna Tyagi	Dr. Ipseeta Menon	Dr. Avnish Singh
14	Risk indicators associated with tooth loss among 35-74yr adult population of muradnagar, Ghaziabad	Dr. Deepa Tomar	Dr. Ipseeta Menon	Dr. Avnish Singh

List of Short Studies

S. No.	Topic	PG student (Batch)	Guide	Co-guide
1	Does climate change forecast concealed health threats to oral health professionals?!	Dr.Anubhav Sharma	Dr. Aruna D.S	Dr. Ipseeta Menon
2	—Does climate change forecast concealed health threats to oral health professionals?!	Dr.Richa Arora	Dr. Aruna D.S	Dr. Ipseeta Menon
3	—Does climate change forecast concealed health threats to oral health professionals?!	Dr.Shivani Shokeen	Dr. Aruna D.S	Dr. Ipseeta Menon
4	Social Media Beckons opportunities and challenges in Dental Education	Dr.Jyoti Singh	Dr. Ipseeta Menon	Dr. Aruna D.S
5	Dental fear :Relationship with oral health behavior among 12 and 15 years school children of Muradnagar.	Dr.Jyoti Singh	Dr. Ipseeta Menon	Dr. Aruna D.S
6	Food safety,hygiene and sanitory practices among street food vendors of Muradnagar	Dr.Jyoti Singh	Dr. Ipseeta Menon	Dr. Avnish Singh
7	Social Media Beckons opportunities and challenges in Dental Education	Dr.Manpreet Khurana	Dr. Aruna D.S	Dr. Ipseeta Menon

8	Oral hygiene needs of special children and the effects of supervised tooth brushing.	Dr.Manpreet Khurana	Dr. Aruna D.S	Dr. Ipseeta Menon
9	Effect of flushing with sodium hypochlorite on biofilms in dental tubings.	Dr.Manpreet Khurana	Dr. Ipseeta Menon	Dr. Avnish Singh
10	Social Media Beckons opportunities and challenges in Dental Education	Dr.Archana Rai	Dr. Aruna D.S	Dr. Ipseeta Menon
11	Relationship between Dietary pattern and dental caries in Muradnagar Adolescents	Dr.Archana Rai	Dr. Aruna D.S	Dr. Ipseeta Menon
12	Association between taboos in dentistry and adult oral health behavior.	Dr.Archana Rai	Dr. Ipseeta Menon	Dr. Avnish Singh
13	Prevalence of Gingival Pigmentation and Associated Factors among Young Adults aged 18-23 years in Muradnagar, India.	Dr.Vidya Goswami	Dr. Aruna D.S	Dr. Ipseeta Menon
14	Oral Health Status and Toothbrushing Assessment of Young Hearing Impaired Individuals in Ghaziabad: A Cross Sectional Survey.	Dr.Vidya Goswami	Dr. Aruna D.S	Dr. Ipseeta Menon
15	Prevalence of night eating syndrome and covert health threats among dental students in muradnagar, India	Dr.Venkat Raman Singh	Dr. Aruna D.S	Dr. Ipseeta Menon
16	Prevalence of Gingival Pigmentation and Associated Factors among Young Adults aged 18-23 years in Muradnagar, India.	Dr.Venkat Raman Singh	Dr. Aruna D.S	Dr. Ipseeta Menon
17	Perception, attitude and behavioural changes regarding SWINE-FLU outbreak among patients attending dental OPD at I.T.S. C.D.S.R. Muradnagar, India.	Dr.Venkat Raman Singh	Dr. Ipseeta Menon	Dr. Avnish Singh
18	Assessment of dental caries risk profile among 12 yrs old school children of Muradnagar by Cariogram.	Dr.Disha Latiyan	Dr. Aruna D.S	Dr. Ipseeta Menon
19	Awareness of dentist's about MERS Co-v in dental colleges of Ghaziabad.	Dr.Disha Latiyan	Dr. Aruna D.S	Dr. Ipseeta Menon

20	Awareness of dentist's about Zica virus in dental colleges of Ghaziabad.	Dr.Disha Latiyan	Dr. Ipseeta Menon	Dr. Avnish Singh
21	Does maternal oral health literacy modify preschooler's oral health outcomes.	Dr.Upasana Tyagi	Dr. Ipseeta Menon	Dr. Avnish Singh
22	In-vitro evaluation of effect of fennel seeds on S.mutans.	Dr.Upasana Tyagi	Dr. Ipseeta Menon	Dr. Ricky Pal Singh
23	Knowledge and awareness of stem cells among expectant mothers and parents of elementary school children inGhaziabad.	Dr.Upasana Tyagi	Dr. Ipseeta Menon	Dr. Avnish Singh
24	Teledentistry: Awareness, Knowledge and Attitudes among Dental professionals in Ghaziabad.	Dr.Upasana Tyagi	Dr. Ipseeta Menon	Dr. Avnish Singh
25	Awareness of basic life support among dentists in dental colleges.	Dr.DeepaTomar	Dr. Ipseeta Menon	Dr. Avnish Singh
26	Dermatoglyphics Interpretation of Dental Caries: An In Vivo Study.	Dr.DeepaTomar	Dr. Ipseeta Menon	Dr. Avnish Singh
27	Knowledge and awareness of stem cells among expectant mothers and parents of elementary school children inGhaziabad.	Dr.DeepaTomar	Dr. Ipseeta Menon	Dr. Avnish Singh
28	Teledentistry: Awareness, Knowledge and Attitudes among Dental professionals in Ghaziabad.	Dr.DeepaTomar 2015-2018	Dr. Ipseeta Menon	Dr. Avnish Singh

Percentage of students doing projects in collaboration with other universities/ industry/ institute-

Nil

Awards / recognitions received at the national and international level by

FACULTY

Dr. Ricky Pal Singh Honored by Dr. Dibyendu Mazumdar (President, Dental Council of India) at 19th Indian Association of Public Health Dentistry (IAPHD) awarded gold medal and merit certificate for being National topper in postgraduate exam in 2014.

STUDENTS

1. Dr. Upasna Tyagi won first prize on oral health status of parents as a predictor of oral health status of children at I.T.S- Muradnagar on 9th -10th May 2014.
2. Dr. Disha Latiyan won Merit award on Awareness of dentist's about MERS Co-v in dental colleges of Ghaziabad at I.T.S.C.D.S.R Muradnagar in I.S.D.R Conference November 2015
3. Dr. Ishani Chawla won first prize in poster presentation at IAPHD National Conference at Bhubneshwar.

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any

S.no.	Title	Date	Source of Funding	Attended by
1.	C.S.A Training Workshop	April 2016	ITS- Dental College	More than 40 CSA

31. A Code of ethics for research followed by the departments

All the research projects of the department are sent to the Institutional Research Committee to check for the feasibility and then forwarded to the Institutional Ethical Committee for approval. The Institutional Ethical Committee is recognized by the Government of India and follows the ICMR Ethical Guidelines for Biomedical Research on Human participants, 2006 and the Helsinki Declaration Human Medical Experimentation Ethics Document, 2008.

32. Student profile program-wise

Name of the Program	Application received	Selected		Pass percentage %	
		Male	Female	Male	Female
BDS					
2012	350	20	77	95%	96.7%
2013	263	26	74	88.46%	97.36%
2014	249	26	74	100%	98.64%
2015	292	23	77	Ongoing batch	
2016	263	14	47	Ongoing batch	
MDS					
2013	152	1	2	100%	100%
2014	132	1	2	Ongoing batch	
2015	109	0	3	Ongoing batch	
2016	136	0	3	Ongoing batch	

Diversity of students

Name of the Program	% of students from the same University	% of students from other University within the State	% of students From University outside the State	% of Students from other Countries
MDS 2012	40%	40%	20%	NIL
2013	60%	20%	20%	NIL
2014	33.33%	50%	16.67%	NIL
2015	16.67%	33.33%	33.33%	NIL
2016	50%	16.67%	33.33%	NIL

How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise

Nil

35. Student progression

Student progression	Percentage enrolled
UG TO PG	32.14%
PG TO M.PHIL, DM/	Nil
PG TO Ph.D	Nil
Ph.d to Post Doctoral	Nil
Employed	
❖ Campus selection	8.3%
❖ Other than campus recruitment	25%
Entrepreneurs	66.7%

36. Diversity of staff

Percentage of faculty who are graduates	
Of the same university	33%
from other universities within the State	11%
from universities from other states	56%
from universities outside the country	0%

Number of faculty who were awarded M.Phil., DM, M Ch, Ph.D., D.Sc. and D.Litt. during the assessment period

Nil

Present details of departmental infrastructural facilities with regard to

Library :

The department is equipped with a library which has 85 books of 30 titles and also stocks copies of all the thesis and library dissertations from previous years for ready reference.

Internet facilities for staff and students

Department is well connected with campus WiFi of 20 MBPS speed for internet access to staff as well as students. The students also have access to WiFi in their hostels after college hours.

Total number of class rooms

There are four classrooms in the college as per DCI requirement which are used by all the departments for conducting lectures for BDS students. In addition, the department is also equipped with a seminar room for post-graduate students.

Class rooms with ICT facility and „smart“ class rooms

All the classrooms are smart classrooms and have ICT facility. Two classrooms are equipped with smart boards.

Students“ laboratories

Nil

Research laboratories

In- house state-of -the-art research centre is available the facilities of which are being utilized by the department. The research centre has facilities for conducting research in the fields of genomics, microbiology, metallurgy, biochemistry and radiology (CBCT).

List of doctoral, post-doctoral students and Research Associates

- | | |
|-------------------------------------------|-----|
| a) from the host institution/university : | Nil |
| b) from other institutions/universities : | 02 |

Dr. Ipseeta menon, pursuing Ph.D from Pacific Academy of higher education, Udaipur

Dr. Ricky pal Singh, pursuing Ph.D from Pacific Academy of higher education, Udaipur

Number of post graduate students getting financial assistance from the university

Nil

Was any need assessment exercise undertaken before the development of new program (s)? If so, highlight the methodology

See number 42.

Does the department obtain feedback from

faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

Regular feedback is obtained from the faculty regarding curriculum and teaching methodology. This feedback is discussed in monthly department and HOD meetings and appropriate measures are enforced. It was noted by the faculty that the students did not revise the topics taught to them which hampered the continuity of the succeeding lectures. It was decided to hold a short question and answer session of 5-10 minutes based on the topic of last lecture and then proceed with the new lecture.

The feedback from faculty regarding post-graduate students revealed that their cases were taking longer than the stipulated duration for completion. A weekly case review by students of the clinical batches attended by all faculty members is being followed since then on a regular basis.

students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Yes, the college collects the feedback forms from the students on staff, curriculum and teaching which are assessed periodically. Areas of improvement are shortlisted and rectified in consultation with the faculty.

For Example: The students posted were not getting enough exposure regarding preventive modalities in the department (Fluoride application, Pit & fissure sealant etc). So, the students were posted in the General and School camps, as they can have more exposure and do the preventive treatments for the same

Alumni and employers on the programs offered and how does the department utilize the feedback?

Yes there is a formal system of taking feedback from alumni at the annual alumni meet. Feedback is used to improve and strengthen teaching methodology and infrastructure. It was felt by our alumni that we are lacking an Tobacco cessation Clinic, for patient counseling and education regarding harmful effects of tobacco through audio-visual aids. Thus, a tobacco cessation clinic was opened in the Department.

List the distinguished alumni of the department (maximum 10)

Dr. Richa Arora secured 1st rank in the CCS University for the academic years 2012 to 2015 in the Post graduate exam of Public health Dentistry

Give details of student enrichment programs (special lectures / workshops seminar) involving external experts.

A workshop on Research methodology and evidence based practice was conducted on 17 April 2012 by Dr. S. Narasimman, Professor in Father Muller Medical College, Mangalore.

A workshop was organized on 25th February, 2012 by Dr Imneet Madan, specialist Pediatric Dentist with Michaels Dental Clinic, Dubai.

A scientific lecture was organized on 09 Jan 2012 on multi-fov Dental and Maxillofacial CBCT by Dr. Sharad Sahai, a renowned Oral and Maxillofacial Radiologist.

A symposium cum workshop was organized on pharmacovigilance and —Basic Life Support on 29th May 2012 by Professor H.M.S. Rehan, Lady Harding Medical College.

10th National Conference of Indian Association of Forensic Odontology

—Molecular Insights into Forensic Odontology was organized on the 7th, 8th and 9th Sept 2012.

A CDE Program on —Full Mouth Rehabilitation as part of 26th PFA convocation & award ceremony was organized by Dr Veena Jain (Hod Dept. of Prosthodontics CDER, AIIMS).

15th Indian Prosthodontic Society's Post Graduate Student National Convention was held from 14th – 16th June, 2013.

A Continuing Dental Education Program titled —Biomechanics Simplified was conducted on the 24th September 2013, by Dr. Jayesh S. Rahalkar, D.Y. Patil Dental College Pune and Dr. Chetan V. Jayade, CKS Theja Dental College Tirupati.

An International Conference was organized on 9th and 10th May, 2014 in association with International Association of General Dentistry.

A workshop was organized on —Bioethics In Clinical Research on 1st September, 2014 by Dr. Sachin Manocha (Asth. Prof. Vardhman Mahavir Medical College, Safdarjung Hospital), Dr. V. Kalaiselvan (Principal Scientific Officer, Indian Pharmacopeia Commission) and Dr. Prem Chopra Renowned Pathologist Ex. AIIMS, Sr. Consultant Sir Ganga Ram Hospital.

Lecture on the importance of —Periodontal Health and Maintenance AAS conducted on 12th of January by Dr. Ajay Kakkar, an alumnus of Nair Dental College and Hospital is a specialist Periodontist and Oral Implantologist.

On occasion of the golden jubilee year of the Indian Orthodontic Society, the department of Orthodontics took part in the Smile Torch campaign to increase awareness among the general public about orthodontic treatment on 12th February, 2015.

On 27th March 2015, a CDE was conducted jointly by the Department Of Oral & Maxillofacial Surgery & the Mirell Dental Implant Systems on the topic — Innovations In Implantology by Dr. Ronin Brodovski, an eminent implantologist from Tel Aviv, Israel.

The 16th IACDE PG Convention was held from 4th to 6th June 2015.

A lecture was organized on —Career Options in North America and Practice Management Tips|| By Dr. Shakti Singh, FRCD {Canada}, Faculty University of Toronto on 17th September, 2015.

Indian Dental Student Conference was conducted on 15th and 16th March, 2016 in association with Indian Dental Association,

Comprehensive Implantology course was conducted on 7th March, 2016 as a part of Dentist Day Celebrations by Dr Lanka Mahesh (Visiting Professor, University of Murcia, Spain; Asia Pacific Brand Ambassador, International College of Oral Implantologists and course co-ordinator- Bioner)

A symposium cum workshop was conducted by the department of pharmacology on 3rd August, 2016 on basic life support by Dr Rajesh Kalra.

A single day workshop was conducted on —Microvascular Fibula Free Flap Reconstruction of the mandible, a live surgical Demonstration on 30th August 2016 by Dr. Rajan Arora, consultant plastic surgeon at Rajiv Gandhi Cancer Hospital, New Delhi.

A 2 day workshop was conducted on —Practice Management||, module – 2 on 28th-29th September 2016 by Dr. Ajit Shetty.

List the teaching methods adopted by the faculty for different programs including clinical teaching.

The department incorporates evidence based teaching which combines the new and conventional methods of teaching. The department focus on using multimedia technology as an innovative teaching and learning strategy in a problem based learning environment by giving the students a multimedia projects to train them in this skill set. Creating multimedia projects are both exciting and challenging. For classroom teaching also power point presentations are prepared by the respective faculty which is made interesting through diagrams, figures and animations. These presentations are then evaluated by the head of the department and are electronically mailed to the students before the lectures, so that they can also come prepared with a topic for the upcoming lecture.

How does the department ensure that program objectives are constantly met and learning outcomes are monitored?

To monitor the learning outcomes of the teaching, regular group discussions and viva-voce are being conducted by the faculty. This practice inculcates a confidence in students to express their ideas and also give an opportunity to the teaching staff to evaluate their performance Role playing and scenario analysis is also used to assess the level of knowledge the students have gained in lectures and clinical training. For academic and clinical assessment, term examination of theory and practical's are conducted periodically.

Highlight the participation of students and faculty in extension activities. Students and faculty regularly participate in:

S.No.	Date of events	Name of Events
1.	18/02/2012	Euphoria (A Cultural Extravaganga)
2.	06/03/2012	Dentist Day Celebration
3.	07/03/2012	World Health Day celebration
4.	01/02/2012	HRIT Campus (special dental check up)
5.	08/02/2012	KIET (special Camp)
6.	06/04/2012	ITS Mohan Nagar (special camp)
7.	05/09/2012	Teachers day celebration
8.	13/09/2012	World Oral Health Day celebration
9.	29/08/2012 to 30/08/2012	Dental Health Programme at Deep Memorial Public School
10.	29/08/2012 to 30/08/2012	dental Health Programme at Cambridge School
11.	31/10/2012	Future Professional Programme
12.	30/11/2012 to 01/12/2012	Occlusion 2012
13.	30/03/2013	Alumni meet 2013 convocation
14.	06/04/2013	World Health Day celebration
15.	22/04/2013 to 27/04/2013	Sports Day
16.	03/05/2013 to 04/05/2013	Inter batch competition- Euphoria 2013
17.	31/05/2013	World No Tobacco Day
18.	12/07/2013	Prize distribution ceremony for " Euphoria 2013"
19.	29/07/2013	World Hepatitis Day (Know IT,Confront IT)
20.	22/08/2013	Pledge Day in collaboration with colgate Palmolive India Ltd. And ACFF (Alliance for Cavity free future)
21.	05/09/2013	Teacher's Day celebration
22.	13/09/2013	Fresher's Party of 14th BDS Batch (2013-17)
23.	13/02/2014	Oral & Maxillofacial Surgeon's Day
24.	06/03/2014 to 08/03/2014	Dentist day celebration (Denture camp organised)
25.	05/04/2014	Annual Convocation ceremony & Alumni Meet

26.	06/08/2014 to 08/08/2014	Euphoria- 2014 Academic excellence & cultural award day
27.	05/09/2014	Teachers Day celebration
28.	19/09/2014	Fresher's party 15th Batch BDS (2014-18)
29.	12/12/2014 to 13/12/2014	Occlusion 2014
30.	02/03/2015	White Coat ceremony
31.	20/03/2015	World Oral Health day "A Denture Camp"
32.	04/04/2015	Convocation ceremony & Alumni Meet - 15
33.	28/05/2015 to 30/05/2015	Euphoria 2015 "Interclass Cultural Fiesta"
34.	16/09/2015	Hostel Day celebration
35.	21/09/2015	Fresher's Party 16th Batch BDS (2015-2020)
36.	05/10/2015	World Orthodontic day celebration
37.	14/11/2015	Children's day celebration Theme of celebration: "Join us to make this nation a 'Smile Selfie' nation"
38.	06/02/2016	White Coat Ceremony
39.	16/02/2016 to 18/02/2016	Staff Development Program
40.	20/03/2016	World Oral Health Day 2016

Give details of “beyond syllabus scholarly activities” of the department.

The department constantly encourages the students to participate in the academic and scholarly activities which are beyond the syllabus. For example, undergraduate and postgraduate students are encouraged to participate in the conferences for presentation of table clinics, presentation of research paper/poster under the guidance of the faculty. Department also encourages the undergraduate students to do some short studies, to develop their interest in research field. On some special days like, no tobacco day, AIDS day, world health day, the student are engaged in performing some extra-curricular activities like , Street play, skits, educational rallies etc. to promote public health.

Some of the programs attended by the post-graduate students are listed below:

Pharmacovigilance and Basic life support on 29th May 2012 at ITS-CDSR Muradnagar.

10th National conference of Forensic Odontology on 7th – 9th Sep 2012 at ITS- CDSR Muradnagar.

—Delhi Dental Show‘ held at Pragati Maidan, New Delhi on 12th to 14th Oct. 2012.

lecture by Colgate/ IDA for future dental professionals programme on 31st Oct 2012 in ITS-CDSR, Muradnagar.

—26th PFA Colgate CDE program‘ held at ITS Greater Noida on 15th dec.2012.

Workshop on Dental Sleep Medicine- Perspectives and Strategies for management on 16th Feb 2013 in ITS-CDSR, Muradnagar.

Attended CDE on —Slim tip – soft approach|| at I.T.S CDSR, Muradnagar on 14th Sept 2013.

Indian Dental Student Conference at I.T.S CDSR, Muradnagar on 23rd & 24th Nov 2013.

International Conference of Dental Specialties at I.T.S CDSR Muradnagar on 9th & 10th May 2014.

Workshop on Bioethics in Clinical Research at ITS Dental College on 1st Sept 2014.

Lecture on —Current trends in education and IQA|| at ITS Dental College on 20th Dec 2014.

Student Exchange Program Tufts School of Dental Medicine at Boston, USA on 5th-18th July 2015.

Pre-Conference Course on Implantology for beginners|| at I.T.S-C.D.S.R on 18th Nov 2015.

Lecture on —Orthopaedic v/s Orthognathic and Nasoalveolar Moulding|| at TMU University on 12th Jan 2016.

—IDA Student Conferencell at I.T.S.-C.D.S.R on 15th -16th March 2016

—Workshop on Dental Sleep Medicine, Sleepcon at India habitat centre||, New Delhi on 25th March 2016.

Personality Development Program at I.T.S.-C.D.S.R on 16th April 2016.

Lecture —TMJ/TMD and Orofacial pain by dr. Davis Thomas at Santosh University on 2nd July 2016.

—28th ISDR Conferencell at I.T.S.-C.D.S.R on 20th -22nd Nov 2016.

Comprehensive Implantology Program being conducted in collaboration with Bioner Implants and recognized by ICOI (International Congress of Oral Implantologists).

State whether the program/ department is accredited/ graded by other agencies? If yes, give details.

All the programs are recognized by the Dental Council of India

Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

Department stimulates research in dental public health with emphasis on disease surveillance, health service research, program evaluation, causes

of oral diseases and systemic/oral health interaction. For improving patient interaction and feedback, department also interacts through the patients via online chatting system —tawkll where patient can send their query for concerned disease and also give their feedback regarding treatment provided. Department conducted a research on expectant mothers and assessed their knowledge on oral health literacy tools and role of stem cells in prevention and treatment of diseases.

Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

STRENGTHS

- Sincere Teaching faculty and dedicated para dental staff.
- Valuing on Patient welfare by skilled professional treatment.
- Encourage public to utilize health services made available to them at satellites and dental college.
- Motivating each and every patient on improving oral health and hygiene.
- Implementation of new ideas like village adoption and establishment of tobacco cessation clinic.

WEAKNESS

Department is continuously engaged in conducting outreach programs. Sometimes due to time constraints and limitation of resources, quality of treatment is compromised. While conducting school dental health programs, we mostly do the screening as consent from the parents is difficult to obtain during school hours.

OPPORTUNITIES

Department focuses in creating a learning environment and to increase the workforce of dental professionals who treat undeserved and at risk patients. Prepare the students from 1st year to 2nd year to spend one clinical posting of 15 days at community setting where they gain and understand the principles of service learning, improve the skills in cultural competency, and gain appreciation of community needs.

CHALLENGES

- Provide best affordable dental care
- Outreach activities not possible where there is no connectivity

Future plans of the department.

- Establishment of Teledentistry system for outreach program & satellite patients for expert opinion directly from the institution.
- Extension of the OPD timings till 6PM for the convenience of patients.
- Establishment of Self information kiosk for patient education and motivation in the college.
- To generate the oral health data bank of Sultanpur village.

DEPARTMENT OF PROSTHODONTICS AND CROWN & BRIDGE

Name of the Department:

Department of Prosthodontics Including Crown & Bridge, Maxillo-Facial Prosthetics and Oral Implantology.

Year of

establishment: 2000

Is the Department part of a college/Faculty of the university

Department is part of ITS Dental College, Muradnagar, Ghaziabad which is affiliated to Choudhary Charan Singh University, Meerut.

Names of programs offered (UG, PG, PharmD, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.)

UG- BDS

PG- MDS

Interdisciplinary programs and departments involved

The Department regularly collaborates with other specialties to encourage and develop an inter-disciplinary approach to provide holistic care to the patients. Inter-departmental meetings are conducted in the form of case discussions and seminars with Department of Oral Surgery for Pre-Prosthetic surgical procedures, Department of Conservative & Endodontics for Pre-Prosthetic restorative procedures and Department of Periodontics for cases requiring Prosthodontic-Periodontic Inter-disciplinary approach.

Courses in collaboration with other universities, industries, foreign institutions, etc.

—Comprehensive Course in Oral Implantology (75 hrs of Didactic Lectures & Patient Module) in collaboration with Bioner Implant System (Spain) & International Congress of Oral Implantologists (ICOI), under the aegis of UCAM University, Murcia, Spain. The course was spread over 4 modules during 2016.

Details of programs discontinued, if any, with

reasons Nil

Examination System: Annual/Semester/Trimester/Choice Based Credit System

BDS:	Annual University Examination System, Internal assessment in each trimester University
MDS:	Exam after 3 years

Participation of the department in the courses offered by other departments

The post graduate students have been a part of various courses offered by other departments in the college such as:-

Comprehensive Implant course conducted by the Department of Prosthodontics, Department of Oral Surgery & Department of Periodontics under the following modules:-

- First module: 18-20th July 2016
- Second module: 8-10th August 2016
- Third module: 6-8th September 2016
- Fourth module: 3-6th October 2016

Final year post-graduate students attended the Practice Management workshop conducted by Department of Conservative Dentistry & Endodontics on 27-28th August 2016.

Final year post-graduate students attended the CBCT workshop conducted by the Department of Oral Medicine & Radiology on 21st -23rd September 2016.

All the post-graduate students attended —Zygomatic Implants-Surgical & Prosthodontic Concepts| conducted by Department of Oral Surgery on 11th & 12th August 2013.

All the post-graduate students attended the Pharmaco-vigilance workshop conducted by the Department of Pharmacology on 29th May 2012.

Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned (As per DCI requirement for 2 units)	Filled
Professor	2	2
Associate professor/Reader	4	4
Assistant professor/ Senior lecturer	2	4
Tutor	2	2

Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

S. No	Name	Qualification	Designation	Specialization	Experience
1.	Col.(Dr.)S.K. Agarwal	MDS	Professor And Head	Prosthodontics	38 yrs 8 months.
2.	Dr. Manoj Kumar	MDS	Professor	Prosthodontics	10 yrs 2 months.
3.	Dr.Abhishek Nagpal	MDS	Associate Professor	Prosthodontics	7yrs 8 months.
4.	Dr. Praful Mehra	MDS	Reader	Prosthodontics	5 yrs 8 months.
5.	Dr.Devendra Chopra	MDS	Reader	Prosthodontics	5 yrs 1 month.
6.	Dr. Sapna Rani	MDS	Reader	Prosthodontics	4 yrs 1 month
7.	Dr. Gaurav Issar	MDS	Senior Lecturer	Prosthodontics	3 yrs 8 months.
8.	Dr.Siddharth Bansal	MDS	Senior Lecturer	Prosthodontics	2 yrs 7 months.
9.	Dr.Mahinder Chauhan	MDS	Senior Lecturer	Prosthodontics	1 yr 1 month
10.	Dr. Amrita Pawar	MDS	Senior Lecturer	Prosthodontics	8months.
11.	Dr. Shalini	BDS	Tutor		4 yrs 4 months
12.	Dr. Sony	BDS	Tutor		1 yr 7 months

For research under guidance refer to Question no. 28

List of senior Visiting Fellows, adjunct faculty, emeritus professors

Prof. (Dr.) Hari Parkash- Professor Emeritus

Percentage of classes taken by temporary faculty – program-wise information

There is no temporary faculty associated with the department.

Program-wise Student Teacher Ratio

B.D.S – 8:1

M.D.S- 3:5

Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Staff	Sanctioned	Filled
Ceramic lab technician	2	2
Acrylic lab technician	1	1
Computer Operator	1	1
Department Clerk	1	1
CSA	5	5
Nurse	1	1
Peon	2	2

Research thrust areas as recognized by major funding agencies

Thrust areas Recognized & Funded by ICMR -04

Dr. Manoti Sehgal (2011-14)

Comparative analysis of shear bond strength between commercially available zirconia coping and veneering material as influenced by steam and thermal treatment (artificial ageing) – An in-vitro study.

Dr. Apoorva Sahajwani (2013-16)

Comparative Evaluation Of Crestal Bone Levels As Influenced By Equicrestal And Supracrestal Placement Of Back-Bevelled, Threaded Collar, Endosseous Implants Following Early Loading Protocol - An In Vivo Study.

Dr. Aarti Kochhar (2013-16)

Evaluation of Phase Transformation and Flexural Strength As Influenced by Sintering Cycles and Artificial Ageing in Zirconia (Y-Tzp) - An In Vitro Study.

Dr. Avni Sharma (2014-17)

A comparative evaluation of accuracy between implant positions and angulations-planned virtually (C.B.C.T) and placed through universal open guide using Vision Measuring Machine – An in-Vitro Study.

Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

Nil

Inter-institutional collaborative projects and associated grants received a) National collaboration b) International collaboration

Nil.

Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received

PG Name	Topic	Total Grants Received
Dr. Manoti Sehgal (2011-14)	Comparative analysis of shear bond strength between commercially available zirconia coping and veneering material as influenced by steam and thermal treatment (artificial ageing) – An in-vitro study.	Research was approved for grant by ICMR, but no grant was taken.
Dr. Apoorva Sahajwani (2013-16)	Comparative Evaluation Of Crestal Bone Levels As Influenced By Equicrestal And Supracrestal Placement Of Back-Bevelled, Threaded Collar, Endosseous Implants Following Early Loading Protocol - An In Vivo Study.	Research was approved for grant by ICMR, but no grant was taken.
Dr. Aarti Kochhar (2013-16)	Evaluation of Phase Transformation and Flexural Strength As Influenced by Sintering Cycles and Artificial Ageing in Zirconia (Y-Tzp) - An In Vitro Study.	Rs 3,79,733/-
Dr. Avni Sharma (2014-17)	A comparative evaluation of accuracy between implant positions and angulations-planned virtually (C.B.C.T) and placed through universal open guide using Vision Measuring Machine – An in-Vitro Study.	Rs 1,18,667/-

Research facility / centre with :
State recognition
National recognition
International recognition

In-house state-of-the-art research centre is available in the institution, facilities of which are being utilized by the department.

Special research laboratories sponsored by / created by industry or corporate bodies

Nil

Publications:

Number of papers published in peer reviewed journals (national / international)

48(National 40, International 08)

Year-wise list of publications

2011

Gupta S, Bhargava A, Nagpal A, Singh V, Arora S. Perfecting Complete Denture Occlusion using Digital Contact Analyser – A Case Report. J Ind Dent Assoc 2011;10:1081-84.

Bhargava A, Gupta S, Nagpal A, Kumar M, Chopra B. Innovative Approach to Bilateral Maxillary Undercuts Using Resilient Soft Liners – A Case Report. *J Ind Dent Assoc* 2011;12(5):1211-15.

Ahuja S, Dodwad V, Kukreja BJ, Mehra P. A Comparative Evaluation of Efficacy of Punic granatum and Chlorhexidine on Plaque and Gingivitis. *J Int Clin Dent Res Organ* 2011;3:29-32.

Singh L, Bharathi SS, Sudhapalli S, Chopra D, Srivastava V: Management of a patient with oral submucous fibrosis having restricted mouth opening. *Int J Clin Dent Sci* 2011;4:29-35.

Chopra D, Srivastava V, Kaira LS. Maxillary hollow complete denture laboratory technique. *J Dent Sci Oral Rehab* 2011;2:42-3.

2012

Kumar P, Bhargava A, Gupta S, Makkar S. An Innovative Method to Anchor Mandibular Overdenture by OT cap Semi-Precision Attachment: A Clinical Report. *Int J Health Allied Sci* 2012;1:25-8.

Popli S, Parkash H, Bhargava A, Gupta S, Bablani D, Kar AK. A two piece sectional Interim Obturator: A Clinical Report. *J Prosthodont* 2012;21:487-90.

Gupta S, Mehta AS. The effect of remelting various combinations of new and used Cobalt- Chromium alloy on the mechanical properties and microstructure of the alloy. *Ind J Dent Res* 2012;23:341-7.

Chopra D, Singh NSK, Sharma D, Nehete P, Singh SK. Metal occlusal surface dentures. *Int J Clin Dent Sci* 2012;1:11-4.

Chopra D, Singh NSK, Nehete P. Split cast metal post and core. *J Oro Fac Res* 2012;2:95-8.

Chopra D. Rehabilitation of a pier abutment. *Guident Dental Journal* 2012;2:28-31.

2013

Jain C, Bhargava A, Gupta S, Rath R, Nagpal A, Kumar P. Spectrophotometric evaluation of the color changes of different feldspathic porcelains after exposure to commonly consumed beverages. *Eur J Dent* 2013;7:172-80.

Garg S, Pawar A. Avoid the Worst Safety First: A review on Ocular Hazards in Dentistry. *Int J Women Dental Council* 2013;1:47-54.

Mehra P, Bhargava A, Gupta S. Achieving Predictable Esthetics in Smile Design – Going the Digital Way. *J Dent Specialities* 2013;1:127-8.

Gupta S, Bhargava A, Sehgal M, Gupta RK. Customised Ocular Prosthesis: A Case Report. *J Dent Specialities* 2013;1:55-8.

Gupta S, Bhargava A, Sehgal M, Gupta RK. Simple Solution To Socket Preservation – The —CollaPlug™ Technique: *J Dent Specialities*. 2013;1:120-2.

Mehra P, Bhargava A, Gupta S, Vaidya S, Agarwal S Cone Beam CT Based Treatment Planning for Implant Retained Mandibular Overdenture using 3D Interactive Software: *J Dent Specialities* 2013;1:67-71.

Viswambaran M, Agarwal SK. The effect of four sprue shapes on the quality of cobalt-chromium cast removable partial denture frameworks: *J Contemp Clin Dent* 2013;4:132-9.

Bansal S, Aras M A, Chitre V. The Sandwich Denture- A Novel Way to reduce ridge resorption: Case report. *Int J Prosthodont Restor Dent*, 2013;3:68-71.

Kumar M, Garg P, Issar G, Kumar A, Bhatnagar. A Use of A New Anterior Bite Splint for Management of TMD Pain: A Case Report. *J Dent Specialities* 2013;1(1):77-80.

Jain M, Bharadwaj SP, Chopra D, Prabhu D, Kulkarni S. Oral Health Status and Treatment need among Institutionalized Hearing – Impaired and Blind Children & Young Adults in Udaipur, India. *J Oral Health Dent Management* 2013;12:41-9.

2014

Dogra BB, Agarwal SK, Kandari A, Pathare P. Post traumatic microstomia: A surgical challenge for repair, rehabilitation: *Med J DY Patil Univ* 2014;7(6):809-12.

Kukreja BJ, Dodwad V, Kukreja P, Ahuja S, Mehra P. A comparative evaluation of platelet-rich plasma in combination with demineralized freeze-dried bone allograft and DFDBA alone in the treatment of periodontal intrabony defects: A clinicoradiographic study. *J Ind Soc Periodontol* 2014;18:618-23.(Pubmed Indexed)

Mehra P, Bhargava A, Gupta S, Issar G. Management of prosthetic challenges in Mandibular Implant Retained Overdenture. *J Dent Specialities* 2014;2:88-92.

Shankar R, Chauhan MS, Sharma G, Tyagi P. Rehabilitation of a patient with screw retained metal-resin implant-tissue supported fixed mandibular complete denture; A hybrid prosthesis (FP-3): A case report. *J Dent and Med Sci* 2014;13:73-9.

Mahajan T, Sangur R, Yadav RS, Chauhan MS. Prosthetic management of edentulous mandible using endosseous implants by overdenture and hybrid denture: Two case reports. *J Adv Med Dent Sci Res* 2014;2:185-91

Yadav RS, Mahajan T, Sangur R, Chauhan MS, Sahare P, Bhardwaj R, Trivedi R. Life like silicone thumb prosthesis- overcoming a social stigma: A case report. *IntJ Enhanced Res in Med Dent care* 2014;1:1-7.

Yadav RS, Mahajan T, Sangur R, Singh N, Sahare P, Chauhan MS, Matsyapal C, Bhardwaj R. Computer aided photogrammetric analysis of dental and facial mid line relationship: A Clinical Study. *Int J Scientific Study* 2014;2(9):44-51.

Bansal S, Aras MA, Chitre V. Guidelines for treatment planning of mandibular implant overdenture: A Review. *J Dent Implants* 2014;4:86-90.

Gupta S, Bhargava A, Bansal S, Sahajwani A. SCREWNOMICS.....Way to Implant Success (A Clinical Tip). *J Dent Specialties* 2014;2(2):53-58.

Sharma S, Nanda A, Koli D, Daksh S, Verma M. Role of a dentist in comprehensive management of a comatose patient with post

traumatic head injury and neuropathological chewing. *Indian J Palliat Care* 2014;20(2):146-151. (Pubmed Indexed)

2015

Singh N, Yadav RS, Chauhan MS, Bhardwaj R. Fabrication of ear prosthesis: A case report. *J Res Adv Dent* 2015;4(12):73-76.
 Madhav S, Sangur R, Mahajan T, Rajanikant AV, Singh R, Chauhan MS. The effect of aging on anatomical landmarks in both sexes and its relation to the occlusal plane. *J Rama Univ Dent Sci* 2015;2(1):1-7.
 Rani S, Verma M, Gill S, Gupta R. Different techniques of ocular impression- a review of literature. *Int J Res Dent* 2015;5(5):25-33.
 Rani S, Verma M. Definitive impression technique for complete patients- A new attempt. *Int Res Dent* 2015;5(5):34-8.

2016

Pawar A, Mittal S, Singh RP, Bakshi R, Sehgal V. A step towards precision: A Review on Surgical Guide Templates for Dental Implants. *Int J Sci Stud* 2016;3:262-7.
 Yadav K, Nagpal A, Agarwal SK, Kochhar A. Intricate assessment and evaluation of effect of Bruxism on Long-term survival and failure of Dental Implants: A comparative study. *J Contemp Dent Pract* 2016;17(8):1-5.(Pubmed Indexed)
 Singh A, Nagpal A, Pawah S, Pathak C, Issar G, Sharma P. Qualitative Assessment of Wear Resistance and Surface Hardness of Different Commercially Available Dental Porcelain: An in Vitro Study. *J Contemp Dent Pract* 2016;17(9):755 – 761.(Pubmed Indexed)
 39) Bhargava A, Sehgal M, Gupta S, Mehra P. Classification system

on the selection of number of implants and superstructure design on the basis available vertical restorative space and interforaminal distance for implant supported mandibular overdenture. *J Ind*

Tyagi S, Dahiya DR, Mehra P, Issar G. Immediate implant placement in the esthetic zone. *J Dent Specialities* 2016;4:95-8.
 Gupta S, Bhargava A, Mehra P. A bar and ball attachment prosthesis over osseointegrated implants post mandibular resection : A Case Report. *J Ind Prosthodont Soc* 2016;16:395-9. (Pubmed Indexed)
 Pawar A, Garg S, Mehta S, Dang R. Breaking the Chain of Infection: Dental Unit Water Quality Control. *J of Clin and Diag Res* 2016;10:80-4. (Pubmed Indexed)
 Chauhan MS, Saini S, Yadav RS, Kundu A. Rehabilitation of edentulous mandible with symphyseal single tooth implant for anchorage of a mandibular overdenture – A clinical report. *Famdent Practice Dentistry Handbook* 2016;17(2):76-78.
 Agarwal SK, Sasane R. Comparative evaluation of Tensile bond strength of Addition Silicone impression material to different tray materials using different adhesive systems. *J Dent Specialities* 2016;4(2):162-66.

Rani S, Verma M, Gill S, Gupta R. Comparative evaluation of bonding strength of computer aided machined ceramic, pressable ceramic, and milled metal implant abutment copings and effect of surface conditioning on bonding strength : An in vitro study. J Indian Prosth Soc 2016;16(2):142-8. (Pubmed Indexed)

Rani S, Pawah S. Immediate implantation with immediate provisionalization- An esthetic treatment modality. J Clin Dent 2016;3(10):13-6.

Rani S, Devi J, Verma M. Implant success lies in complications management- a report of two cases. J Clin Contemp Dent 2016;7(2):226-8. (Pubmed Indexed)

Rani S, Devi J, Verma S. Innovative approach of rehabilitation of fractured anterior tooth with copy milled zirconia post and core. Int J Res 2016;6(3):52-7.

- **Monographs:** Nil
- **Chapters in Books:** Nil
- **Books edited:** Nil
- **Books with ISBN with details of publishers:** Nil

Numbers listed in International database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database- International Social Sciences Directory, EBSCO host, Medline, etc.)

All the publications are listed in International database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database- International Social Sciences Directory, EBSCO host, Medline, etc.)

Citation Index

Faculty	Citations since 2011	No. of Publications	Avg.	Range	Dept. Avg.
Col.(Dr.)S.K. Agarwal	5	10	0.50	0.0-1.75	0.24
Dr.Manoj Kumar	0	08	0.0		
Dr.Abhishek Nagpal	0	11	0.0		
Dr. Praful Mehra	14	08	1.75		
Dr.Devendra Chopra	0	06	0.0		
Dr. Sapna Rani	0	07	0.0		
Dr. Gaurav Issar	0	04	0.0		
Dr.Sidharth Bansal	01	05	0.20		
Dr.Mahinder Chauhan	0	05	0.0		
Dr.Amrita Pawar	0	05	0.0		

SNIP
SJR
Impact factor- range/ average
H-Index

Faculty	H-Index
Col.(Dr.)S.K. Agarwal	02
Dr.Manoj Kumar	0
Dr.Abhishek Nagpal	0
Dr. Praful Mehra	02
Dr. Devendra Chopra	0
Dr. Sapna Rani	0
Dr. Gaurav Issar	0
Dr.Sidharth Bansal	01
Dr.Mahinder Chauhan	0
Dr.Amrita Pawar	0
Total	05

H-Index- 05
Range - 0-2
Average- $05/10 = 0.5$

23. Details of patents and income generated

Same as number 24

24. Areas of consultancy and income generated

	2016	2015	2014
Number of patients	30,406	28,005	30,974
Income generated	15,66,865	12,72,340	6,09,870

25. Faculty selected nationally/internationally to visit other laboratories/ institutions/ industries in India and abroad

Nil

26. Faculty serving in a) National committees b) international committees c) Editorial boards d) Any other (specify)

Col.(Dr.) S.K. Agarwal- Reviewer of Journal of Dental Specialties

27. Faculty recharging strategies (Refresher/orientation programs, workshops, training programs and similar programs).

The faculty members regularly attend and are actively involved in leadership programs, teacher training workshops and CDE programs. following is a detailed list of programs attended by the faculty

Col.(Dr.)S.K. Agarwal

Attended workshop on ‘Case Planning in Orthognathic Surgery: An evolving science’ at I.T.S Dental College, Muradnagar, India in May, 2016.

Attended the Indian Dental Student Conference held at I.T.S Centre for Dental Studies and Research, Ghaziabad in Mar, 2016.

Attended lecture and hands-on course on ‘Clinical Photography and Imaging’ by Dr. Akhter Husain held at I.T.S Centre for Dental Studies and Research, Ghaziabad in Jan, 2016.

Attended a Leadership Skills Workshop held at I.T.S. –Centre for Dental Studies & Research, Muradnagar on 20th Jan, 2016.

Attended 28th Indian Society for Dental Research Conference held I.T.S Centre for Dental Studies and Research, Ghaziabad from 20th – 22nd Nov, 2015.

Attended a lecture on Current Opinions in Management of Bio-films and Periodontal diseases on 24th September 2015, at ITS-CDSR Muradnagar.

Attended the 16th IACDE and IES conference held at I.T.S. Centre for dental studies and research from 4th -6th June 2015.

Attended a guest lecture on Oral Cancer Management by Dr. Prabhat Gupta from Dharamshila Hospital and Research Center on 24th April 2015 at I.T.S.-CDSR, Muradnagar.

Attended a CDE titled ‘Mission Impossible- How to make high-risk cases to normal to handle, simplifying difficult cases in Oral Implantology’ conducted by Dr. Ronen Bordovski from Israel and sponsored by Mirell Dental Implant system. The CDE was held at I.T.S.- CDSR Muradnagar Ghaziabad on 27th March 2015.

Attended CDE –An Academic Extravaganza on Orbital Prosthesis-The Contemporary Approach held at Dr. D.Y. Patil Dental College, Pune on 12th December, 2013.

Attended CDE –Implants for One & All held at Dr. D.Y. Patil

Attended –40th IPS Conference & 8th Biennial meeting of Asian Academy of Prosthodontics held in Chennai, from 5th – 9th December, 2012.

Attended Workshop –10th National Dental Update held at Dr. D.Y. Patil Dental College, Pune on 3rd & 4th November, 2012.

Attended CDE –Learn the Future of Ceramics held at Dr. D.Y. Patil Dental College, Pune on 1st & 2nd November, 2012.

Attended –Basic workshop in Research Methodology held in Sangli from 13th – 15th September, 2012

Attended –14th IPS PG Convention, held in Mangalore from 27th – 29th July, 2012.

Dr. Manoj Kumar

Attended –10th World Congress for Oral Implantology & AAID Global Conference 2016 held in New Delhi, from 11th – 13th November, 2016.

Attended workshop on 'Case Planning in Orthognathic Surgery: An evolving science' at I.T.S Dental College, Muradnagar, India in May, 2016.

Attended the Indian Dental Student Conference held at I.T.S Centre for Dental Studies and Research, Ghaziabad in Mar, 2016.

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Attended 3-day workshop on Teacher training at I.T.S Dental

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Attended the 16th IACDE and IES conference held at I.T.S. Centre for dental studies and research from 4th -6th June 2015.

Attended a lecture on 'Prevention and Maintenance of periodontal disease and health' by Dr. Ajay Kakar on 12th Jan 2015, held at I.T.S.-CDSR.

Attended one-day workshop on 'Current Trends in Education & IQA' held at I.T.S Centre for Dental Studies and Research, Muradnagar in Dec, 2014.

Attended workshop on 'Bioethics in Clinical Research' organized by I.T.S Ethics Committee in September, 2014.

Participated in the International Conference of Dental Specialties held at I.T.S Centre for Dental Studies and Research, Muradnagar in May, 2014.

Attended and was part of the organizing team for the IDA student's national conference held at I.T.S-CDSR on 23rd and 24th November 2013.

Attended CDE course on 'Biomechanics Simplified' at I.T.S Centre for Dental Studies and Research, Ghaziabad in Sept, 2013.

Attended a certified hands on course on 'Zygomatic Implants- Surgical and Prosthetic Concepts' conducted by Nobel Biocare at I.T.S. Dental College and endorsed by Association of Oral and Maxillofacial Surgeons of India on 11th and 12th August 2013.

Attended the 15th IPS PG Convention held at I.T.S.Dental College, Muradnagar from 14th -16th June 2013.

Attended the 26th PFA-Colgate CDE Programme organized by Pierre Fauchard Academy at I.T.S.-CDSR Muradnagar on 15th December 2012.

Attended 10th National Conference of Indian Association of Forensic Odontology, held at I.T.S.-CDSR Muradnagar on 7th, 8th and 9th September 2012.

Attended A Future Dental Professionals Program organized by Colgate at I.T.S.-C.D.S.R on 30th October 2012.

Attended —14th IPS PG Convention, held in Mangalore from 27th –

Attended a lecture on —Multi-FOV Dento-Maxillofacial CBCT: A Firsthand Account, conducted by Dr. Sharad Sahay at I.T.S.

Dental College Muradnagar on 9th January 2012.

Dr. Abhishek Nagpal

Attended —10th World Congress for Oral Implantology & AAID Global Conference 2016, held in New Delhi, from 11th – 13th November, 2016.

Attended workshop on ‘Case Planning in Orthognathic Surgery: An evolving science’ at I.T.S Dental College, Muradnagar, India in May, 2016.

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Attended a certified hands on course on —Zygomatic Implants-Surgical and Prosthetic Concepts conducted by Nobel Biocare at I.T.S. Dental College and endorsed by Association of Oral and Maxillofacial Surgeons of India on 11th and 12th August 2013.

Attended the —15th IPS PG Convention held at I.T.S Centre for Dental Studies and Research, Muradnagar from 14th -16th June 2013.

Attended the 26th PFA-Colgate CDE Programme organized by Pierre Fauchard Academy at I.T.S.-CDSR Muradnagar on 15th December 2012.

Attended 10th National Conference of Indian Association of Forensic Odontology, held at I.T.S.-CDSR Muradnagar on 7th, 8th and 9th September 2012.

Attended A Future Dental Professionals Program organized by

Attended a workshop on —Pharmacovigilance and Basic life support on 29th May 2012 in the Department of Pharmacology at I.T.S.-CDSR Muradnagar.

Attended a lecture on —Multi-FOV Dento-Maxillofacial CBCT: A Firsthand Account conducted by Dr. Sharad Sahay at I.T.S. Dental College Muradnagar on 9th January 2012.

Dr. Praful Mehra

Attended —10th World Congress for Oral Implantology & AAID Global Conference 2016 held in New Delhi, from 11th – 13th November, 2016.

Attended workshop on ‘Case Planning in Orthognathic Surgery: An evolving science’ at I.T.S Dental College, Muradnagar, India in May, 2016.

Attended the Indian Dental Student Conference held at I.T.S Centre for Dental Studies and Research, Ghaziabad in Mar, 2016.

Attended lecture and hands-on course on ‘Clinical Photography and Imaging’ by Dr. Akhter Husain held at I.T.S Centre for Dental Studies and Research, Ghaziabad in Jan, 2016.

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Attended —International Congress of Oral Implantology Conference – 2015 held in New Delhi, from 18th – 20th September, 2015.

Attended 3-day workshop on Teacher training at I.T.S Dental

Attended a CDE titled —Mission Impossible- How to make high-risk cases to normal to handle, simplifying difficult cases in Oral Implantology conducted by Dr. Ronen Bordovski from Israel and sponsored by Mirell Dental Implant system. The CDE was held at I.T.S.- CDSR Muradnagar Ghaziabad on 27th March 2015.

Attended a guest lecture on Oral Cancer Management by Dr. Prabhat Gupta from Dharamshila Hospital and Research Center on

Attended the 16th IACDE and IES conference held at I.T.S. Centre for dental studies and research from 4th -6th June 2015.

Attended a lecture on —Prevention and Maintenance of periodontal disease and health by Dr. Ajay Kakar on 12th Jan 2015, held at I.T.S.-CDSR.

Attended one-day workshop on —Current Trends in Education & IQA held at I.T.S Centre for Dental Studies and Research, Muradnagar in Dec, 2014.

Attended workshop on ‘Bioethics in Clinical Research’ organized by I.T.S Ethics Committee in September, 2014.

Participated in the International Conference of Dental Specialties held at I.T.S Centre for Dental Studies and Research, Muradnagar in May, 2014.

Attended and was part of the organizing team for the IDA student’s national conference held at I.T.S-CDSR on 23rd and 24th November 2013.

Attended CDE course on —Biomechanics Simplified at I.T.S Centre for Dental Studies and Research, Ghaziabad in Sept, 2013.

Attended a certified hands on course on —Zygomatic Implants- Surgical and Prosthetic Concepts conducted by Nobel Biocare at I.T.S. Dental College and endorsed by Association of Oral and Maxillofacial Surgeons of India on 11th and 12th August 2013.

Attended the —15th IPS PG Convention held at I.T.S Centre for Dental Studies and Research, Muradnagar from 14th -16th June 2013.

Attended the 26th PFA-Colgate CDE Programme organized by Pierre Fauchard Academy at I.T.S.-CDSR Muradnagar on 15th

Attended 10th National Conference of Indian Association of Forensic Odontology, held at I.T.S.-CDSR Muradnagar on 7th, 8th and 9th September 2012.

Attended A Future Dental Professionals Program organized by Colgate at I.T.S.-C.D.S.R on 30th October 2012.

Attended a workshop on —Pharmacovigilance and Basic life support on 29th May 2012 in the Department of Pharmacology at

Attended a lecture on —Multi-FOV Dento-Maxillofacial CBCT: A Firsthand Account conducted by Dr. Sharad Sahay at I.T.S. Dental College Muradnagar on 9th January 2012.

Dr Gaurav Issar

Attended —10th World Congress for Oral Implantology & AAID Global Conference 2016 held in New Delhi, from 11th – 13th November, 2016.

Attended workshop on ‘Case Planning in Orthognathic Surgery: An evolving science’ at I.T.S Dental College, Muradnagar, India in May, 2016.

Attended the Indian Dental Student Conference held at I.T.S Centre for Dental Studies and Research, Ghaziabad in Mar, 2016.

Attended lecture and hands-on course on ‘Clinical Photography and Imaging’ by Dr. Akhter Husain held at I.T.S Centre for Dental Studies and Research, Ghaziabad in Jan, 2016.

Attended 28th Indian Society for Dental Research Conference held I.T.S Centre for Dental Studies and Research, Ghaziabad from 20th – 22nd Nov, 2015.

Attended a lecture on Current Opinions in Management of Bio-films and Periodontal diseases on 24th September 2015 at ITS-

Attended 3-day workshop on Teacher training at I.T.S Dental

Attended a CDE titled —Mission Impossible- How to make high-risk cases to normal to handle, simplifying difficult cases in Oral Implantology conducted by Dr. Ronen Bordovski from Israel and sponsored by Mirell Dental Implant system. The CDE was held at

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Attended a lecture on —Prevention and Maintenance of periodontal disease and health by Dr. Ajay Kakar on 12th Jan 2015, held at I.T.S.-CDSR.

Attended one-day workshop on —Current Trends in Education & IQA held at I.T.S Centre for Dental Studies and Research, Muradnagar in Dec, 2014.

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Attended a certified hands on course on —Zygomatic Implants-Surgical and Prosthetic Concepts‖ conducted by Nobel Biocare at I.T.S. Dental College and endorsed by Association of Oral and Maxillofacial Surgeons of India on 11th and 12th August 2013.

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Attended A Future Dental Professionals Program organized by Colgate at I.T.S.-C.D.S.R on 30th October 2012.

Attended a workshop on —Pharmacovigilance and Basic life support‖ on 29th May 2012 in the Department of Pharmacology at I.T.S.-CDSR Muradnagar.

Attended a lecture on —Multi-FOV Dento-Maxillofacial CBCT: A Firsthand Account‖ conducted by Dr. Sharad Sahay at I.T.S.

Dental College Muradnagar on 9th January 2012.

Dr. Sidharth Bansal

Attended workshop on _Case Planning in Orthognathic Surgery: An evolving science' at I.T.S Dental College, Muradnagar, India in

Attended the Indian Dental Student Conference held at I.T.S Centre for Dental Studies and Research, Ghaziabad in Mar, 2016.

Attended lecture and hands-on course on _Clinical Photography and Imaging' by Dr. Akhter Husain held at I.T.S Centre for Dental Studies and Research, Ghaziabad in Jan, 2016.

Attended 28th Indian Society for Dental Research Conference held I.T.S.Centre for Dental Studies and Research, Ghaziabad from 20th -22nd Nov, 2015.

Attended a lecture on Current Opinions in Management of Bio-films and Periodontal diseases on 24th September 2015 at ITS-CDSR Muradnagar.

Attended 3-day workshop on Teacher training at I.T.S Dental College, Greater Noida from 17-19th October, 2015.

Attended a CDE titled —Mission Impossible- How to make high-risk cases to normal to handle, simplifying difficult cases in Oral

Implantology conducted by Dr. Ronen Bordovski from Israel and sponsored by Mirell Dental Implant system. The CDE was held at I.T.S.- CDSR Muradnagar Ghaziabad on 27th March 2015.

Attended a guest lecture on Oral Cancer Management by Dr. Prabhat Gupta from Dharamshila Hospital and Research Center on 24th April 2015 at I.T.S.-CDSR Muradnagar.

Attended the 16th IACDE and IES conference held at I.T.S. Centre for dental studies and research from 4th -6th June 2015.

Attended a lecture on —Prevention and Maintenance of periodontal disease and health by Dr. Ajay Kakar on 12th Jan 2015, held at I.T.S.-CDSR.

Attended one-day workshop on —Current Trends in Education & IQA held at I.T.S Centre for Dental Studies and Research, Muradnagar in Dec, 2014.

Attended workshop on ‘Bioethics in Clinical Research’ organized by I.T.S Ethics Committee in September, 2014.

Dr. Mahinder Singh

Attended workshop on ‘Case Planning in Orthognathic Surgery: An evolving science’ at I.T.S Dental College, Muradnagar, India in May, 2016.

Attended the Indian Dental Student Conference held at I.T.S Centre for Dental Studies and Research, Ghaziabad in Mar, 2016.

Attended lecture and hands-on course on ‘Clinical Photography and Imaging’ by Dr. Akhter Husain held at I.T.S Centre for Dental Studies and Research, Ghaziabad in Jan, 2016.

Attended 28th Indian Society for Dental Research Conference held at I.T.S Centre for Dental Studies and Research, Ghaziabad from 20th – 22nd Nov, 2015.

Dr. Amrita Pawar

Attended workshop on ‘Case Planning in Orthognathic Surgery: An evolving science’ at I.T.S Dental College, Muradnagar, India in May, 2016.

Student projects

Percentage of students who have taken up in-house projects including inter-departmental projects -

100 % - All post-graduate students undertake in-house projects which may involve other departments. The in-house projects may be divided into thesis and short studies as listed below.

Research Conducted in-house including inter-departmental research

List of Thesis

Students Name	Title of Thesis	Guide	Co-Guide
Dr. Amit Khatri	An in vitro study to evaluate the influence of metal substructure thickness as effecting the shear bond strength between base metal coping and ceramic veneering material.	Dr. Akshay Bhargava	Dr. Sharad Gupta
Dr. Manbir Singh	A comparative evaluation of shear bond strength of three commercially available resin cements used for bonding of zirconia – an in vitro study.	Dr. Sharad Gupta	Dr. Abhish ek Nagpal
Dr. Manoti Sehgal	An In Vitro Study to evaluate the shear bond strength between three different zirconia cores to veneering ceramic.	Dr. Akshay Bhargava	Dr. Sharad Gupta
Dr. Navpreet Kaur	Comparative evaluation of marginal integrity in metal copings fabricated from base metal alloys and semiprecious alloys with two different finish lines (heavy chamfer and shoulder with bevel).	Dr. Manoj Kumar	Dr. Mahesh Suganna
Dr. Rahul Vashishth	Evaluation of accuracy of two impression materials as effected by angulation of Implants – A Three dimensional analysis using profile projector and precision measuring machine.	Dr. Sharad Gupta	Dr. Praful Mehra
Dr. Vineet Thakur	An in vitro study to comparatively evaluate the tensile bond strength of three commercially available permanent soft liners to a heat processed PMMA denture base.	Dr. Mahesh Suganna	Dr. Manoj Kumar
Dr. Ankaa Nath	Evaluation of Fracture Resistance of Ednodontically Treated Teeth Restored with Different Pre-Fabricated Post Materials, as Influenced by Varying Residual Radicular Dentin Thickness, Using CBCT: An In Vitro Study	Dr. Manoj Kumar	Dr. Mahesh Suganna
Dr. Rashi Bhasin	An in vitro study to evaluate the vertical marginal fit of metal copings as fabricated from free hand wax patterns and milled wax patterns, using conventional casting technique.	Dr. Mahesh Suganna	Dr. Manoj Kumar
Dr. Ruby Kumari	Influence of different internal geometric configurations and cusp inclination as effecting the stress distribution around implant-abutment connection: a three-dimensional finite element analysis	Dr. Akshay Bhargava	Dr. Sharad Gupta
Dr. Shruti Soni	A Comparative Evaluation of Shear Bond Strength as Influenced by Varying Thickness of Veneering Ceramic with Zirconia Core – An In Vitro Study.	Dr. Sharad Gupta	Dr. Abhish ek Nagpal

Dr. Tanvi Mahajan	To evaluate the effect of conventional and short sintering cycle on grain size phase transformation and flexural strength of Yttrium stabilized partially sintered zirconia using SEM,X-ray diffractometer and universal testing machine.	Dr. Akshay Bhargava	Dr. Sharad Gupta
Dr. Vipula Mittal	An invitro study to evaluate the effect of veneering on the translucency of yttrium stabilized zirconia (YSZ) and to evaluate the flexural strength as influenced by different translucency.	Dr. Sharad Gupta	Dr. Mahesh Suganna
Dr. Aarti Kochhar	Evaluation of Phase Transformation and Flexural Strength As Influenced by Sintering Cycles and Artificial Ageing in Zirconia(Y-Tzp) - An In Vitro Study	Dr. Sharad Gupta	Dr. Manoj Kumar
Dr. Abhishek Mathur	Comparative evaluation of accuracy of definitive implant cast obtained by splinted and non- splinted impression as influenced by varying implant angulations. An in vitro study.	Dr. Abhishek Nagpal	Dr. Rajiv Kr Gupta
Dr. Apoorva Sahajwani	Comparative Evaluation of Crestal Bone Levels As Influenced by Equicrestal And Supracrestal Placement of Back-Bevelled, Threaded Collar, Endosseous Implants Following Early Loading Protocol - An In Vivo Study	Col.(Dr.) S.K. Agarwal	Dr. Sharad Gupta
Dr. Ashish Gambhir	A finite element study to evaluate stress distribution as influenced by span length and design substructure modification in zirconia frameworks when subjected to 3dimensional occlusal loading	Dr. Manoj Kumar	Dr. Mahesh Suganna
Dr. Divya Ratan Dahiya	Comparative evaluation of marginal fit of zirconia substructure as influenced by varying span length and abutment taper – an in vitro study.	Dr. Mahesh Suganna	Dr. Manoj Kumar
Dr. Shaily Tyagi	A Comparative Evaluation of Zirconia Core And Veneering Ceramic Bond Strength As Influenced By Varying Finish Line Configuration Using Universal Testing Machine And Scanning Electron Microscope-An In Vitro Study	Dr. Sharad Gupta	Dr. Mahesh Suganna
Dr. Aarti Kumari	A comparative evaluation of the accuracy of vertical marginal fit of CAD/CAM milled Zirconia framework fabricated by digital and conventional impression technique using stereomicroscope : An in-Vitro Study	Dr. Manoj Kumar	Dr. Abhishek Nagpal

Dr. Avni Sharma	A comparative evaluation of accuracy between implant positions and angulations- planned virtually (C.B.C.T) and placed through universal open guide using Vision Measuring Machine – An in-Vitro Study	Col (Dr) S K Agarwal	Dr Abhishek Nagpal/ Dr. Praful Mehra
Dr. Himani Jain	A Comparative evaluation of artificial aging on Shear Bond Strength of different Zirconia Intraoral Repair Systems: An in-Vitro Study	Dr. Manoj Kumar	Dr. Praful Mehra
Dr. Kajal Yadav	A comparatively evaluation the accuracy of Vertical Fit of Implant superstructures using Castable Abutments :SEM study	Dr. Abhishek Nagpal	Dr. Manoj Kumar
Dr. Neha Nandal	A comparative evaluation of four Zirconia core design modifications as influencing their compressive strength - An in-Vitro Study	Col (Dr) S K Agarwal	Dr. Manoj Kumar
Dr. Nupur Khetan	Evaluation of translucency of yttria-stabilized Zirconia, translucent Zirconia and preshaded Zirconia as influenced by sintering, glazing, polishing and ageing : An in-Vitro Study	Dr. Praful Mehra	Dr. Manoj Kumar
Dr. Karan Narang	Comparative Evaluation of Crestal Bone Levels Around 2 Piece Platform Switched Implants with Roughened Collar as Influenced by Submerged Healing with Primary Closure and Transmucosal Healing Following Early Loading Protocol – An In Vivo Study	Col. (Dr.) S. K. Agarwal	Dr. Praful Mehra
Dr. Rinki Kansal	A Comparative Evaluation of Shear Bond Strength of High Strength Ceramics (Lithium Disilicate And Zirconia) To Cut Dentin as Influenced by Different Resin Cement Types - An In-Vitro Study	Dr. Manoj Kumar	Dr. Praful Mehra
Dr. Sarvesh Kumar Mishra	Comparative Evaluation of The Color Stability and Surface Roughness of Two Commercially Available Monolithic Zirconia Following Exposure to Commonly Consumed Beverages: An In-Vitro Study	Dr. Praful Mehra	Dr. Rishi Rath
Dr. Shibli Usmani	A 3-Dimensional Finite Element Study to Evaluate stress Distribution Around Implant-Abutment Connection as Influenced by Different Internal Geometrical Configurations and Abutment Angulation.	Dr. Manoj Kumar	Dr. Abhishek Nagpal
Dr. Siddharth Narayanan	Comparative Evaluation of the Effect of Autoclave, Microwave and Chemical Sterilization on the Dimensional Accuracy and Stability of 2 Elastomeric Impression Materials viz. Addition Silicone and Polyether – An In Vitro Study.	Dr. Abhishek Nagpal	Dr. Manoj Kumar / Dr. Ajit Singh Rathore

Dr. Silvi Jerath	Comparative Evaluation of Horizontal Condylar Guidance Angulation Obtained Using Interocclusal Wax Records, Cone Beam Computed Tomography and Gothic Arch Tracing in Edentulous Subjects - An In Vivo Study.	Col. (Dr.) S. K. Agarwal	Dr. Abhishek Nagpal
Dr. Kritika Awasthi	Comparative Evaluation Of Shear Bond Strength Of Luting Cement To Surface Treated Zirconia As Affected By The Abrasive Particle Size: An In Vitro Study.	Col. (Dr.) S. K. Agarwal	Dr. Abhishek Nagpal Dr. Saurabh Juneja
Dr. Raghav Vasudeva	A comparative evaluation of flexural strength of CAD milled acrylic provisional FPD as affected by connector dimensions: An in-vitro study.	Dr. Manoj Kumar	Dr. Praful Mehra Dr. Karan Sharma
Dr. Savneet Kaur	Comparative Evaluation Of Tensile Bond Strength At Crown Abutment Interface As Affected By Various Cementation Protocols: An In Vitro Study	Dr. Abhishek Nagpal	Dr. Manoj Kumar Dr. Siddharth Bansal
Dr. Shuchi Singh	Comparative Evaluation Of The Marginal Fit Of Two Commercially Available Temporary Crown Materials Viz Heat Cure Acrylic Resin And CAD Milled Acrylic Resin As Affected By Thermocycling: An In-Vitro Study	Dr. Praful Mehra	Dr. Manoj Kumar Dr. Ajit Kumar Rathore
Dr. Sushant Bajaj	Comparative Evaluation Of Crestal Bone Levels Around Endosseous Implants As Influenced By Conventional And Diode Laser Second Stage Exposure Using CBCT & Digital Radiography - An In Vivo Study.	Dr. Manoj Kumar	Dr. Abhishek Nagpal Dr. Upasana Sethi Ahuja Dr. Gaurav Issar
Dr. Vaibhav Buttan	Comparative evaluation of crestal bone levels around root form roughened collar implants as influenced by loading protocols – an in vivo study	Col. (Dr.) S. K. Agarwal	Dr. Praful Mehra Dr. Manu Dhillon

List of Short

Studies None

Percentage of students doing projects in collaboration with other universities/ industry/ institute-

58.3% students have additionally undertaken research projects in collaboration with other institutes.

**Research Conducted in-Collaboration with other universities/
industry/ institute**

List of Thesis

Student Name	Title of Thesis	Other institution in-Collaboration	Guide	Co-Guide
Dr. Amit Khatri	An in vitro study to evaluate the influence of metal substructure thickness as effecting the shear bond strength between base metal coping and ceramic veneering material.	Banbros Engineering Private Limited	Dr. Akshay Bhargava	Dr. Sharad Gupta
Dr. Manbir Singh	A comparative evaluation of shear bond strength of three commercially available resin cements used for bonding of zirconia – an in vitro study.	Banbros Engineering Private Limited	Dr. Sharad Gupta	Dr. Abhishek Nagpal
Dr. Manoti Sehgal	An In Vitro Study to evaluate the shear bond strength between three different zirconia cores to veneering ceramic.	Banbros Engineering Private Limited	Dr. Akshay Bhargava	Dr. Sharad Gupta
Dr. Navpreet Kaur	Comparative evaluation of marginal integrity in metal copings fabricated from base metal alloys and semiprecious alloys with two different finish lines (heavy chamfer and shoulder with bevel).	Banbros Engineering Private Limited	Dr. Manoj Kumar	Dr. Mahesh Suganna
Dr. Rahul Vashisht	Evaluation of accuracy of two impression materials as effected by angulation of Implants – A Three dimensional analysis using profile projector and precision measuring machine.	Banbros Engineering Private Limited	Dr. Sharad Gupta	Dr. Praful Mehra
Dr. Vineet Thakur	An in vitro study to comparatively evaluate the tensile bond strength of three commercially available permanent soft liners to a heat processed PMMA denture base.	Banbros Engineering Private Limited	Dr. Mahesh Suganna	Dr. Manoj Kumar

Dr. Ankaa Nath	Evaluation of Fracture Resistance of Ednodontically Treated Teeth Restored with Different Pre-Fabricated Post Materials, as Influenced by Varying Residual Radicular Dentin Thickness, Using CBCT: An In Vitro Study	Dr Sahai's Maxillofacial Daignostics, Ghaziabad	Dr. Manoj Kumar	Dr. Mahesh Suganna
Dr. Rashi Bhasin	An in vitro study to evaluate the vertical marginal fit of metal copings as fabricated from free hand wax patterns and milled wax patterns, using conventional casting technique.	Banbros Engineering Private Limited	Dr. Mahesh Suganna	Dr. Manoj Kumar
Dr. Ruby Kumari	Influence of different internal geometric configurations and cusp inclination as effecting the stress distribution around implant-abutment connection: a three-dimensional finite element analysis	IIT Delhi	Dr. Akshay Bhargava	Dr. Sharad Gupta
Dr. Shruti Soni	A Comparative Evaluation of Shear Bond Strength as Influenced by Varying Thickness of Veneering Ceramic with Zirconia Core – An In Vitro Study.	Banbros Engineering Private Limited	Dr. Sharad Gupta	Dr. Abhishek Nagpal
Dr. Tanvi Mahajan	To evaluate the effect of conventional and short sintering cycle on grain size phase transformation and flexural strength of Yittrium stabilized partially sintered zirconia using SEM,X-ray diffractometer and universal testing machine.	Banbros Engineering Private Limited	Dr. Akshay Bhargava	Dr. Sharad Gupta

Dr. Vipula Mittal	An invitro study to evaluate the effect of veneering on the translucency of yttrium stabilized zirconia (YSZ) and to evaluate the flexural strength as influenced by different translucency.	Banbros Engineering Private Limited	Dr. Sharad Gupta	Dr. Mahesh Suganna
Dr. Aarti Kochhar	Evaluation of Phase Transformation and Flexural Strength As Influenced by Sintering Cycles and Artificial Ageing in Zirconia(Y-Tzp) - An In Vitro Study	Banbros Engineering Private Limited	Dr. Sharad Gupta	Dr. Manoj Kumar
Dr. Abhishek Mathur	Comparative evaluation of accuracy of definitive implant cast obtained by splinted and non- splinted impression as influenced by varying implant angulations. An in vitro study.	Banbros Engineering Private Limited	Dr. Abhishek Nagpal	Dr. Rajiv Kr Gupta
Dr. Ashish Gambhir	A finite element study to evaluate stress distribution as influenced by span length and design substructure modification in zirconia frameworks when subjected to 3dimensional occlusal loading	IIT Delhi	Dr. Manoj Kumar	Dr. Mahesh Suganna
Dr. Divya Ratan Dahiya	Comparative evaluation of marginal fit of zirconia substructure as influenced by varying span length and abutment taper – an in vitro study.	Banbros Engineering Private Limited	Dr. Mahesh Suganna	Dr. Manoj Kumar
Dr. Shaily Tyagi	A Comparative Evaluation of Zirconia Core And Veneering Ceramic Bond Strength As Influenced By Varying Finish Line Configuration Using Universal Testing Machine And Scanning Electron Microscope-An In Vitro Study	Banbros Engineering Private Limited	Dr. Sharad Gupta	Dr. Mahesh Suganna

Dr. Avni Sharma	A comparative evaluation of accuracy between implant positions and angulations- planned virtually (C.B.C.T) and placed through universal open guide using Vision Measuring Machine – An in-Vitro Study	Banbros Engineering Private Limited	Col (Dr) S K Agarwal	Dr Abhishek Nagpal/ Dr. Praful Mehra
Dr. Himani Jain	A Comparative evaluation of artificial aging on Shear Bond Strength of different Zirconia Intraoral Repair Systems: An in-Vitro Study	IIT Delhi	Dr. Manoj Kumar	Dr. Praful Mehra
Dr. Kajal Yadav	A comparatively evaluation the accuracy of Vertical Fit of Implant superstructures using Castable Abutments :SEM study	IIT Delhi	Dr. Abhishek Nagpal	Dr. Manoj Kumar
Dr. Shibli Usmani	A 3-Dimensional Finite Element Study to Evaluate stress Distribution Around Implant-Abutment Connection as Influenced by Different Internal Geometrical Configurations and Abutment Angulation.	IIT Delhi	Dr. Manoj Kumar	Dr. Abhishek Nagpal

List of Short

Studies None

Awards/recognitions received at the national and international level by

FACULTY

Dr Praful Mehra won the —ICD Merit Award for Best Post Graduate- Prosthodontics at International College of Dentist meet at New Delhi, 2012.

Dr. Manoj Kumar, Dr. Abhishek Nagpal and Dr. Praful Mehra received —Fellowship of Pierre Fauchard Academy at 26th PFA-Colgate CDE Programme organized by Pierre Fauchard Academy at I.T.S.-CDSR, Muradnagar, on 15th December 2012.

Dr. Praful Mehra received —Fellowship of International Congress of Oral Implantologists at New Delhi, 2013.

Dr. Abhishek Nagpal, Dr. Praful Mehra & Dr. Gaurav Issar were awarded —Diplomates of World Congress for Oral Implantology at —10th World Congress for Oral Implantology & AAID Global Conference 2016 held in New Delhi, from 11th – 13th November, 2016.

STUDENTS

Dr. Manoti Sehgal, Dr. Apoorva Sahajwani, Dr. Aarti Kochhar and Dr. Avni Sharma received ICMR Research Fellowships for their Thesis Research.

Dr Avni Sharma won —Best Paper Presentation Award at IDA Student Conference held at ITS CDSR, Muradnagar in March 2016.

Dr Karan Sharma Won —Second Best Paper Presentation Award at the 44th IPS Conference, at Mumbai, December, 2016.

Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any

S. No	Title	Date	Source of Funding	Attended By
1.	15th IPS PG Convention	14th -16th June, 2013.	Delegates' Registration Fee	More than 1200 delegates
2.	Zygomatic Implants-Surgical & Prosthodontics Concepts	11th & 12th August, 2013	Delegates' Registration Fee	More than 100 delegates
3.	Basic Surgical Prosthetic Protocols in Oral Implantology	Spread into modules held in 2014.	Delegates' Registration Fee	Around 75 delegates
4.	Comprehensive Oral Implantology Course-2016	Spread into modules held in 2016.	Delegates' Registration Fee	Around 30 delegates

A Code of ethics for research followed by the departments

All the research projects of the Department are sent to the Institutional Research Committee to check for the feasibility and then forwarded to the Institutional Ethical Committee for approval. The Institutional Ethical Committee is recognized by the Government of India and follows the ICMR Ethical Guidelines for Biomedical Research on Human participants, 2006 and the Helsinki Declaration Human Medical Experimentation Ethics Document, 2008.

Student profile program-wise

Name of the Program	Application received	Selected		Pass percentage %	
		Male	Female	Male	Female
BDS					
2012	350	20	77	95%	96.7%
2013	263	26	74	88.46%	97.36%
2014	249	26	74	100%	98.64%
2015	292	23	77	Ongoing batch	
2016	263	14	47	Ongoing batch	

MDS					
2013	152	3	3	100%	100%
2014	132	0	6	Ongoing batch	
2015	109	4	2	Ongoing batch	
2016	136	3	3	Ongoing batch	

Diversity of students

Name of the Program	% of students from the same University	% of students from other University within the State	% of students From University outside the State	% of Students from other Countries
MDS 2012	66.6%	16.7%	16.7%	0%
2013	83.3%	16.7%	0%	0%
2014	33.3%	33.3%	33.3%	0%
2015	0%	0%	100%	0%
2016	50%	0%	50%	0%

How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise

Nil

35. Student progression

Student progression	Percentage enrolled
UG TO PG	32.14%
PG TO M.PHIL, DM/	Nil
PG TO Ph.D	Nil
Ph.d to Post Doctoral	Nil
Employed	
❖ Campus selection	6.9%
❖ Other than campus recruitment	38.5%
Entrepreneurs	54.6%

36. Diversity of staff

Percentage of faculty who are graduates	
Of the same university	50%
from other universities within the State	25%
from universities from other states	25%
from universities outside the country	0%

Number of faculty who were awarded M.Phil., DM, M Ch, Ph.D., D.Sc. and D.Litt. during the assessment period

Dr. Abhishek Nagpal, Dr. Praful Mehra & Dr. Gaurav Issar were awarded —Diplomates of World Congress for Oral Implantology at —10th World Congress for Oral Implantology & AAID Global Conference 2016 held in New Delhi, from 11th – 13th November, 2016.

Present details of departmental infrastructural facilities with regard to

Library :

The department is equipped with a library which has 145 books and also stocks copies of all the thesis and library dissertations from previous years for ready reference.

Internet facilities for staff and students

Department is well connected with campus WiFi of 20 MBPS speed for internet access to staff as well as students. The students also have access to WiFi in their hostels after college hours.

Total number of class rooms

There are four classrooms in the college as per DCI requirement which are used by all the departments for conducting lectures for BDS students. In addition, the department is also equipped with a seminar room for post-graduate students.

Class rooms with ICT facility and „smart“ class rooms

All the classrooms are smart classrooms and have ICT facility. Two classrooms are equipped with smart boards.

Students“ laboratories

The department is equipped with four laboratories, one Pre-clinical Laboratory and one Acrylic Laboratory for BDS students and one Acrylic Laboratory and one Ceramic Laboratory for MDS students.

Research laboratories

In- house state-of -the-art research centre is available the facilities of which are being utilized by the department. The research centre has facilities for conducting research in the fields of genomics, microbiology, metallurgy, biochemistry and radiology (CBCT).

List of doctoral, post-doctoral students and Research Associates

- | | |
|-------------------------------------------|-----|
| a) from the host institution/university : | Nil |
| b) from other institutions/universities : | Nil |

Number of post graduate students getting financial assistance from the university

Nil

Was any need assessment exercise undertaken before the development of new program (s)? If so, highlight the methodology

See number 42.

Does the department obtain feedback from

faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

Regular feedback is obtained from faculty regarding curriculum and teaching methodology. This feedback is discussed in monthly department & HOD meetings and appropriate measures are enforced. It was noted by the faculty that the students did not revise the topics taught to them which hampered the continuity of the succeeding lectures. It was then decided to hold a short question and answer session of 5-10 minutes based on the topic of last lecture and then proceed with the new lecture.

The feedback from faculty regarding post-graduate students revealed that their cases were taking longer than the stipulated duration for completion. A monthly case review by students of the clinical batches attended by all faculty members is being followed since then on a regular basis.

students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Yes, the college collects Feedback Forms from the students on Staff, Curriculum and Teaching which are assessed periodically. Areas of improvement are shortlisted and rectified in consultation with the Faculty. For example the post graduate students of second and third year felt that they were not getting enough exposure to patients who required maxillo-facial prosthesis because these patients went to Department of Oral Surgery. In response to this feedback, Department of Oral Surgery was requested to allow our post graduates to observe such cases and help their Department in planning & fabricating Maxillo-facial Prosthesis required by the patients.

alumni and employers on the programs offered and how does the department utilize the feedback?

Yes there is a formal system of taking feedback from alumni at the annual alumni meet. Feedback is used to improve & strengthen teaching methodology and infrastructure. It was felt by our alumni that we were lacking, in advanced CAD CAM technology for designing & fabricating prosthesis. It was then that in addition to in-house PFM Lab which we already had as per DCI requirement new

CAD CAM System was purchased which offered us highly esthetic and advanced technique for fabricating Fixed Dental Prosthesis.

List the distinguished alumni of the department (maximum 10)

Dr Apoorva has been appointed as a Consultant at Clove Dental, New Delhi.

Give details of student enrichment programs (special lectures / workshops seminar) involving external experts.

A workshop on Research methodology and evidence based practice was conducted on 17th April 2012 by Dr. S. Narasimman, Professor in Father Muller Medical College, Mangalore.

A scientific lecture was organized on 09th Jan 2012 on multi-fov Dental and Maxillofacial CBCT by Dr. Sharad Sahai, a renowned Oral and Maxillofacial Radiologist.

A symposium cum workshop was organized on pharmacovigilance and —Basic Life Support on 29th May 2012 by Professor H.M.S. Rehan, Lady Harding Medical College.

10th National Conference of Indian Association of Forensic Odontology —Molecular Insights into Forensic Odontology was organized on the 7th, 8th and 9th Sept 2012.

A CDE Program on —Full Mouth Rehabilitation as part of 26th PFA convocation & award ceremony was organized by Dr Veena Jain (HOD Dept. of Prosthodontics CDER, AIIMS).

15th Indian Prosthodontic Society's Post Graduate Student National Convention was held from 14th – 16th June, 2013.

A Continuing Dental Education Program titled —Biomechanics Simplified was conducted on the 24th September 2013, by Dr. Jayesh S. Rahalkar, D.Y. Patil Dental College Pune and Dr. Chetan V. Jayade, CKS Theja Dental College Tirupati.

An International Conference was organized on 9th and 10th May, 2014 in association with International Association of General Dentistry.

A workshop was organized on —Bioethics In Clinical Research on 1st September, 2014 by Dr. Sachin Manocha (Asth. Prof. Vardhman Mahavir Medical College, Safdarjung Hospital), Dr. V. Kalaiselvan (Principal Scientific Officer, Indian Pharmacopeia Commission) and Dr. Prem Chopra Renowned Pathologist Ex. AIIMS, Sr. Consultant Sir Ganga Ram Hospital.

Lecture on the importance of —Periodontal Health and Maintenance AAS conducted on 12th of January by Dr. Ajay Kakkar, an alumnus of Nair Dental College and Hospital is a specialist Periodontist and Oral Implantologist.

On 27th March 2015, a CDE was conducted jointly by the Department Of Oral & Maxillofacial Surgery & the Mirell Dental Implant Systems on the topic — Innovations In Implantology by Dr. Ronin Brodovski, an eminent implantologist from Tel Aviv, Israel.

The 16th IACDE PG Convention was held from 4th to 6th June 2015. A lecture was organized on —Career Options in North America and Practice Management Tips|| By Dr. Shakti Singh, FRCD {Canada}, Faculty University of Toronto on 17th September, 2015. Indian Dental Student Conference was conducted on 15th and 16th March, 2016 in association with Indian Dental Association, Comprehensive Implantology course was conducted on 7th March, 2016 as a part of Dentist Day Celebrations by Dr Lanka Mahesh (Visiting Professor, University of Murcia, Spain; Asia Pacific Brand Ambassador, International College of Oral Implantologists and course co-ordinator- Bioner) A symposium cum workshop was conducted by the Department of Pharmacology on 3rd August, 2016 on Basic Life Support by Dr Rajesh Kalra. A single day workshop was conducted on —Microvascular Fibula Free Flap Reconstruction of the mandible, a live surgical Demonstration on 30th August 2016 by Dr. Rajan Arora, consultant plastic surgeon at Rajiv Gandhi Cancer Hospital, New Delhi. A 2 day workshop was conducted on —Practice Management||, on 28th -29th September 2016 by Dr. Ajit Shetty.

List the teaching methods adopted by the faculty for different programs including clinical teaching.

The department employs innovative teaching methods combined with the conventional ones. Theoretical topics are covered with power-point presentations which are made interesting with illustrations, diagrams and case examples to make them more visually appealing. These presentations are updated regularly to incorporate advances in knowledge. The students are also encouraged to present seminars and symposiums. The flipped learning approach is an innovative method employed to involve the students actively in the teaching-learning process. Clinical training is reinforced with demonstrations and case discussions. The department ensures that each student treats a variety of cases with different techniques. They are also encouraged to take up challenging cases to enhance their clinical skills. The students are encouraged to attend workshops, continuing education programs and conferences by eminent national as well as international faculty. Evidence based clinical practice is encouraged along with adoption of newer modalities of treatment. The students are trained in data and information handling skills through the use of Orion patient software.

How does the department ensure that program objectives are constantly met and learning outcomes are monitored?

The program objectives are based on the principles of knowledge, skill and attitude. Emphasis is placed on outcome based education. Written and practical exams at regular intervals serve to monitor progress and assess theoretical knowledge and clinical skill of students. The time management skills of the students are assessed through Orion software

which helps to monitor patient appointments and waiting times. The students are instilled with a compassionate attitude towards their patients. Feedback is obtained from the patients and conveyed to the concerned student to assess their professional attitude and communication skills.

Highlight the participation of students and faculty in extension activities. Students and faculty regularly participate in:

S.No.	Date of events	Name of Events
1	18/02/2012	Euphoria (A Cultural Extravaganga)
2	06/03/2012	Dentist Day Celebration
3	20/03/2012	World Oral Health Day celebration
4	05/09/2012	Teachers day celebration
5	30/11/2012 to 01/12/2012	Occlusion 2012
6	06/03/2013	Dentist Day Celebration
7	20/03/2013	World Oral Health Day celebration
8	06/04/2013	World Health Day celebration
9	22/04/2013 to 27/04/2013	Sports Day
10	03/05/2013 to 04/05/2013	Inter batch competition- Euphoria 2013
11	12/07/2013	Prize distribution ceremony for " Euphoria 2013"
12	05/09/2013	Teacher's Day celebration
13	01/10/2013	International Geriatric Day
14	06/08/2014 to 08/08/2014	Euphoria- 2014 Academic excellence & cultural award day
15	05/09/2014	Teachers Day celebration
16	01/10/2014	International Elderly day
17	12/12/2014 to 13/12/2014	Occlusion 2014
18	20/03/2015	World Oral Health day "A Denture Camp"
19	28/05/2015 to 30/05/2015	Euphoria 2015 "Interclass Cultural Fiesta"
20	01/10/2015	World Elderly day celebration
21	06/02/2016	White Coat Ceremony
22	06/03/2016	World Dentist Day
23	20/03/2016	World Oral Health Day 2016
24	05/06/2016	Environment Day
25	01/09/2016	World Elderly day celebration

Both Undergraduate and postgraduate students are also actively involved in the camps held by Department of Community Dentistry.

S.No.	Year	Total No. of Camps Held
1.	2012	153
2.	2013	162
3.	2014	167
4.	2015	150
5	2016	126

Give details of “beyond syllabus scholarly activities” of the department.

The department encourages students to participate in scholarly activities which are beyond their syllabus. For example, under-graduate students have presented posters in conferences under the guidance of faculty. The post-graduate students are encouraged to take up short-term research work in addition to their thesis which inculcates a taste for research and literature review and helps to develop a better understanding of statistical methods before they take up thesis work. The additional research undertaken is also presented at national and inter-national forums such as conventions and conferences. Students have participated in continuing dental education programs and workshops conducted by other specialties to enhance their knowledge base and encourage lateral thinking in terms of inter-disciplinary approach.

Some of the programs attended by the post-graduate students are listed below:

- Pharmacovigilance and Basic Life Support on 29th May 2012 at ITS-CDSR Muradnagar.
- 10th National conference of Forensic Odontology on 7th – 9th Sep 2012 at ITS- CDSR Muradnagar.
- Delhi Dental Show held at Pragati Maidan, New Delhi on 12th to 14th Oct. 2012.
- Lecture by Colgate/ IDA for —Future Dental Professionals Programmell on 31st Oct 2012 in ITS-CDSR, Muradnagar.
- 26th PFA Colgate CDE program held at ITS CDSR on 15th Dec, 2012.
- Workshop on —Dental Sleep Medicine- Perspectives and Strategies for management on 16th Feb 2013 in ITS-CDSR, Muradnagar.
- Attended CDE on —Slim tip – soft approach at I.T.S CDSR, Muradnagar on 14th Sept 2013.
- Indian Dental Student Conference at I.T.S CDSR, Muradnagar on 23rd & 24th Nov 2013.
- International Conference of Dental Specialties at I.T.S CDSR Muradnagar on 9th & 10th May 2014.
- Workshop on —Bioethics in Clinical Research at ITS Dental College on 1st Sept 2014.
- Lecture on —Current trends in education and IQA at ITS Dental College on 20th Dec 2014.

Student Exchange Program Tufts School of Dental Medicine at Boston, USA on 5th - 18th July 2015.
 Pre-Conference Course on —Implantology for Beginners at I.T.S.-C.D.S.R on 18th Nov 2015.
 Lecture on —Orthopaedic v/s Orthognathic and Nasoalveolar Moulding at TMU University on 12th Jan 2016.
 —IDA Student Conference at I.T.S.-C.D.S.R on 15th -16th March 2016.
 Personality Development Program at I.T.S.-C.D.S.R on 16th April 2016.
 —28th ISDR Conferencel at I.T.S.-C.D.S.R on 20th -22nd Nov 2015.
 —Comprehensive Oral Implantology Program being conducted in collaboration with Bioner Implant System and ICOI (International Congress of Oral Implantologists), the course is certified by UCAM University, Murcia, Spain.

State whether the program/ department is accredited/ graded by other agencies? If yes, give details.

All the programs are recognized by the Dental Council of India

Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

Research projects are undertaken to address lacunae in the existing literature and to attempt to add new knowledge to the specialty. Research work is also done in collaboration with other departments. Other than the dissertation which is a part of the curriculum students are encouraged to take up short research studies and challenging cases to add to their knowledge. Newer advances (Dental Implants, CAD CAM technology) in treatment modalities are adopted to increase the standard of care along with enhancing knowledge.

The Department in its attempt to upgrade the knowledge of Post Graduates & Under Graduates has conducted many Basic & Comprehensive Courses in the field of Oral Implantology. In these courses stress is laid on Importance of Daignosis & Treatment Planning in Implant Dentistry. Each participant is given exposure to patients wherein they plan and place Dental Implants, followed by Rehabilitation with fixed dental prosthesis. Besides this, several studies have also been conducted to evaluate the in-vitro and in-vivo properties and behavior of Dental Implants & All ceramics.

Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

STRENGTHS

Dedicated workforce and team effort
 Variety of cases including cases requiring inter-disciplinary

approach.
Computerized system of record storage and analysis.
Computerized Diagnosis and Treatment Planning using both Two Dimensional & Three Dimensional Imaging modalities
Well –equipped facility

WEAKNESS

The patients reporting to the department belong to the lower socio-economic strata which limit the possibility of using expensive materials or techniques.

OPPORTUNITIES

The institution is located in a rural area which provides an opportunity to increase the awareness of the population towards newer and advanced treatment modalities available in the Institute for replacement of missing teeth. The problems of complete or partial edentulism which are more common in middle aged & older individuals can be solved using dental implants for a more functional prosthesis. These fixed prosthesis significantly improve the quality of life of the patient. The Advanced Research Laboratory and other Advanced Equipments which are available in the college, can be used to benefit of the patient by providing them with the most advanced dental treatment at low cost.

CHALLENGES

To increase awareness in the population about prosthodontic treatment options available at the Institute.
To ensure clinical efficiency and standards of care at par with world standards in a predominantly rural base of patients

Future plans of the department.

- Continuous up-gradation of clinical skills in newer areas of prosthodontic treatment and techniques such as full arch rehabilitations using Implants & Smile designing using CAD CAM System.
- Increasing the number of educational activities in the Department.
- Widening horizons regarding Laboratory and Clinical Practices in Prosthodontics
- Development of a Maxillofacial Centre in the Department.
- Introduction of Implants in Pre-clinical Curriculum of Post Graduate Teaching.
- We are planning to procure a Ridge Split Kit to help patients who have deficient bone.

DEPARTMENT OF PERIODONTOLOGY

Name of the Department:

Department of Periodontology and Oral Implantology

Year of establishment:

The Department was established in the Year 2000. Postgraduate program started in the year 2006.

Is the Department part of a college/Faculty of the university

College: I.T.S Centre for Dental Studies and Research, Muradnagar, Ghaziabad affiliated to Chaudhary Charan Singh University, Meerut.

Names of programs offered (UG, PG, PharmD, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.)

UG- BDS

PG- MDS

Interdisciplinary programs and departments involved

There are various Clinico-pathological conferences organized by Department of Periodontics in association with the Department of Orthodontics. The interdisciplinary approach has been a trend for comprehensive dental treatment. Inter-departmental meetings are conducted in the form of case discussions for cases requiring Ortho-Perio inter-disciplinary approach in the form of Wilkodontics. Various interdisciplinary cases pertaining to laser dentistry are dealt in the Department of Periodontics in collaboration with the Department of Oral Medicine. Department of Periodontics and Prosthodontics also share an inseparable relationship. Various implant surgical procedures and advanced surgical techniques viz ridge augmentation are dealt in the department, thus achieving academic excellence.

Courses in collaboration with other universities, industries, foreign institutions, etc.

Five Post-graduate students attended the Comprehensive Implantology Programme conducted in collaboration with Bioner Implants and recognized by ICOI (International Congress of Oral Implantologists).

Details of programs discontinued, if any, with

reasons Nil

Examination System: Annual/Semester/Trimester/Choice Based Credit System

BDS:	Annual University Examination System, Internal assessment in each trimester University
MDS:	Exam after 3 years

Participation of the department in the courses offered by other departments:

The post graduate students have been a part of various courses offered by other departments in the college such as:-

Comprehensive Implant course conducted by the Department of Prosthodontics under the following modules:-

- First module: 18-20th July 2016
- Second module: 8-10th August 2016
- Third module: 6-8th September 2016
- Fourth module: 3-6th October 2016

Final year post-graduate students attended the Practice Management workshop conducted by Department of Conservative Dentistry & Endodontics on 27-28th August 2016.

Final year post-graduate students attended the CBCT workshop conducted by the Department of Oral Medicine & Radiology on 21st-23rd September 2016.

All the post-graduate students attended the Pharmaco-vigilance workshop conducted by the Department of Pharmacology on 29th May 2012.

Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned (As per DCI requirement for 2 units)	Filled
Professor	2	3
Associate professor/Reader	4	3*
Assistant professor/ Senior lecturer	2	2
Tutor	0	0

* Associate Professor has been promoted to the post of Professor.

Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of years of experience
Dr Vidya Dodwad	MDS	Professor & Head	Periodontology	21 years 3 months
Dr Nikhil Sharma	MDS	Professor	Periodontology	10 years 6 months
Dr Shubhra Vaish	MDS	Professor	Periodontology	10 years 3 months
Dr Sujata Masamatti	MDS	Associate Professor	Periodontology	8 years 3 months
Dr Rahul Chopra	MDS	Reader	Periodontology	6 years 6 months
Dr Mallika Sethi	MDS	Reader	Periodontology	6 years 6 months
Dr Swyeta Jain Gupta	MDS	Senior Lecturer	Periodontology	1 year 6 months
Dr Nikita Gupta	MDS	Senior Lecturer	Periodontology	1 month

* For research under guidance refer to Question no. 28

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

Nil

13. Percentage of classes taken by temporary faculty – program-wise information

There is no temporary faculty associated with the department.

14. Program-wise Student Teacher Ratio

B.D.S – 12.5:1

M.D.S- 3:4

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

S. No.	Sanctioned	Filled
Support staff(technical)	4	4
Administrative staff	2	2

16. Research thrust areas as recognized by major funding agencies

Nil

Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

Nil

Inter-institutional collaborative projects and associated grants received

- | | |
|---------------------------------|-----|
| a) National collaboration: | Nil |
| b) International collaboration: | Nil |

Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received

Nil

Research facility / centre with :

State recognition

I.T.S Dental College has come a long way since its inception. The —Centre for Advanced Researchll caters to the Department of Periodontics to provide training, guidance and research for undertaking the thesis and research work of the postgraduate students. This centre is the first research centre in northern India to provide training in a) Biotechnology, b) Microbiology, c) Genomics, d) Dental metallurgical studies.

The centre is fully equipped with:

PCR Thermocycler
UV Transilluminator
Microscope
Equipments for anaerobic bacteria culture
Gel documentation system.

- National : None
- International : None

Special research laboratories sponsored by / created by industry or corporate bodies

Nil

Publications:

Number of papers published in peer reviewed journals (national / international)

100(National 82, International 18)

Year-wise list of publications**2011**

- Mathur S, Pandit IK, Srivastava N, Gugnani G, Gupta M, Chopra R. Endodontic therapy in a four-rooted mandibular first molar – A Case Report. *Ind J Dent* 2011;2(4):181-3.
- Mathur S, Pandit IK, Srivastava N, Gugnani G, Gupta M, Chopra R. Bilateral masseter muscle hypertrophy- A Case Report. *Ind J Dent* 2011;2(3):104-6.
- Sharma N, Shamsuddin H. Association between respiratory disease in hospitalized patients and periodontal disease: A cross-sectional study. *J Periodontol* 2011;82(8):1155-60.(Pubmed)
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- Basavaraj P, Sharma N, Malhotra S, Khuller N, Sethi M. Peripheral Ossifying Fibroma - A Case Series. *J Ind Assoc Public Health Dent* 2011;18(Suppl. II):752-6.
- Malhotra S, Khuller N, Sharma N, Basavaraj P. Gingival Esthetics by Depigmentation. *J Ind Assoc Public Health Dent* 2011;17(Suppl. II):611-5.
- Basavaraj P, Khuller N, Khuller RI, Sharma N. Caries Risk Assessment and Control. *J Oral Health Comm Dent* 2011;5(2):59-64.
- Sethi M, Malhotra S, Khuller N, Sharma N, Basavaraj P. Risk of Pre-term Low Birth Weight baby in Women with Periodontal disease. *J Ind Assoc Public Health Dent* 2011;17(Suppl. II):622-7.
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- Malhotra S, Sachdeva N, Khuller N, Sharma N, Basavaraj P. Dentin Hypersensitivity: An Enigma. *J Ind Assoc Public Health Dent* 2011;17(Suppl. II):634-8.
- Dodwad V, Gupta S, Kumar K, Sethi M, Masamatti S. Changing paradigm in pocket therapy-Ozone vs Conventional Irrigation. *Int J Public Health Dentistry* 2011;2(2):7-12.
- Vaish S, Sethi M, Dodwad V. Puberty Induced Gingival Enlargement- A Case Report. *Ind J Stomatol* 2011; 1(1): 57-59.
- Kukreja BJ, Dodwad V. Geriatric dentistry-care for the elderly. *Ind J Stomatol* 2011;1(1):24-27.
- Singh T, Kukreja B, Dodwad V: Yogurt may take the bite out of gum disease: the probiotic way. *Ind J Stomatol* 2011;2(4):1-3.
- Dodwad V, Pradeep C, Kukreja BJ. Relationship of Endodontic-periodontic lesion- A Rationale Approach for treatment. *J Ind Dent Assoc* 2011;5:759-61.
- Masamatti S, Bhatia A, Dodwad V. Role of genetics in periodontal disease. *J Innov Dent* 2011;1:69-73.
- Kukreja BJ, Dodwad V. Herbal Mouthwashes – A Gift of Nature. *Int J Pharma Bio Sci* 2011;3(3):34-38.

Ahuja S, Khuller N, Arora K, Dodwad V. Depigmentation: A Cornerstone in Gingival Esthetics (Case Series). *J Ind Assoc Public Health Dent* 2011;18:894-98.

Malhotra S, Sachdeva N, Dodwad V. Reduction of hypersensitivity using bioactive dentifrice. *Clinical Dent* 2011;5:53-59.

Dodwad V, Tyagi P, Vaish S. Clinical Efficacy of Subgingivally Delivered 0.5% Controlled Release Azithromycin Gel in the Management of Chronic Periodontitis. *Ind J of Medical Sciences* 2011;65(6):224-30.

Bhat G, Kudva P, Dodwad V. Aloe Vera: Nature's Soothing healer to periodontal disease. *J Ind Soc Periodontol* 2011;15:205-209 (Pubmed).

Dodwad V, Arora K. Comparative evaluation of efficacy of Aloe Vera gel, Irrigation following Scaling / root Planing & Scaling / root Planing alone. A clinico Microbiological Study. *Kerala Dent J* 2011;34:48-51.

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Masamatti SS, Kumar A, Baron TK, Mehta DS, Bhat K. Evaluation Of Interleukin -1B gene polymorphism in patients with chronic and aggressive periodontitis - A Genetic Association Study. *Contemp Clin Dent* 2012;3:143-8.(Pubmed)

Chopra R, Patil SR, Mathur S. Comparison of cardiovascular risk in two main forms of periodontitis. *Dent Res J* 2012;9(1):74-9.(Pubmed)

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- Mathur S, Chopra R. Ethical issues in modern day dental practice. *J Health ethics* 2012;8(2):1-12.
- Sikka G, Dodwad V, KT Chandershekhar. Comparative anti-plaque and anti-gingivitis efficacy of two commercially available mouthwashes - 4 weeks clinical Study. *J Oral Health Comm Dent* 2012;5(3):110-112.
- Dodwad V, Nandini G, Arora K. Comparative Evaluation of 1% Curcumin solution and 0.2% chlorhexidine irrigation as an adjunct to scaling and root planing in management of chronic periodontitis: A Clinico microbiological study. *J Pharm Biomed Sci* 2012;14(2):1-7.
- Kukreja BJ, Dodwad V, Singh T. Robotic Dentistry - The Future is at the Horizon. *J Pharm Biomed Sci* 2012;16(6):1-4.
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- Nagpal S, Dodwad V, Vaish S. Effect and Determination of Obesity and Smoking as risk factor for periodontal Disease: A Cross Sectional Study. *Ind J Public Health Res* 2012;4:67-78.
- Singh S, Dodwad V, Dhariwal G: Simvastatin and periodontal regeneration: *J Pharm and Biomed Sci* 2012;23(21):23-25
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- **Monographs:** Nil
- **Chapters in Books:** Nil
- **Books edited:** 2

Titles:

Molecular diagnosis of Periodontal diseases: An evolution to periodontal disease diagnosis.

Microbial biofilm and its relation to periodontal disease.

Books with ISBN with details of publishers:

ISBN with details of publishers: Scholars press. ISBN-10:

3639713435, ISBN-13: 978-3639713435

ISBN: Lambert Publication.

Numbers listed in International database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database- International Social Sciences Directory, EBSCO host, Medline, etc.)

All the publications are listed in International database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database- International Social Sciences Directory, EBSCO host, Medline, etc.)

- Citation Index

Faculty	Citations since 2011	No. of Publications	Avg.	Range	Dept. Avg.
Dr Vidya Dodwad	256	56	4.57	0 to 7.28	3.19
Dr Nikhil Sharma	102	14	7.28		
Dr Shubhra Vaish	29	16	1.81		
Dr Sujata Masamatti	60	11	5.45		
Dr Rahul Chopra	41	10	4.1		
Dr Mallika Sethi	16	9	1.77		
Dr Swyeta Jain Gupta	10	14	0.71		
Dr Nikita Gupta	0	0	0		

SNIP**SJR****Impact factor- range/ average****H-Index**

Faculty	H-Index
Dr. Vidya Dodwad	8
Dr. Nikhil Sharma	4
Dr Shubhra Vaish	3
Dr Sujata Masamatti	5
Dr Rahul Chopra	4
Dr Mallika Sethi	2
Dr Swyeta Jain Gupta	1
Dr. Nikita Gupta	0
TOTAL	27

H-Index- 27

Range - 0-8

Average- $27/8= 3.375$ **23. Details of patents and income generated**

Same as number 24

24. Areas of consultancy and income generated

	2016	2015	2014
Number of patients	30,141	31,729	31,968
Income generated	8,67,990	4,54,884	68,370

25. Faculty selected nationally/ internationally to visit other laboratories/ institutions/ industries in India and abroad

Nil

Faculty serving in a) National committees b) international committees c) Editorial boards d) Any other (specify)

Dr Vidya Dodwad:

Reviewer of Journal of Indian Society of Periodontology.
Reviewer of Journal of Stomatology
Advisory board of Journal of Dental Specialities, Publication of I.T.S Group of Dental Institutions

Dr Nikhil Sharma

Reviewer: Indian journal of dentistry (National)

Dr Shubhra Vaish

Assistant editor of Journal of Dental specialities : Publication of I.T.S Group of Dental Institutions
Reviewer for Journal of Oral Research

Dr Mallika Sethi :

Member of the Editorial support team of Journal of Dental specialities : Publication of I.T.S Group of Dental Institutions.

Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs).

The faculty members regularly attend and are actively involved in leadership programs, teacher training workshops and CDE programs. following is a detailed list of programs attended by the faculty.

Dr. Vidya Dodwad

Attended and chaired a scientific session at the UAE International Dental Conference and Arab Dental Exhibition (AEEDC) Dubai in 2012.

Attended the International Conference of Dental Specialities in association with IAGD on 9th and 10th May 2014 at I.T.S Centre for Dental Studies and Research, Muradnagar Ghaziabad.

- Attended the 12th I.S.P P.G. Convention 2012 at Greater Noida.

Attended and chaired a keynote scientific session at the National I.S.P conference held at Shimla in 2012

Attended and chaired a keynote scientific session at the National I.S.P conference held at Kochi in 2013.

Attended and chaired a scientific session at the I.D.A held at I.T.S.-CDSR Muradnagar in 2013.

Attended and chaired a scientific session at the National I.S.P conference held at Jaipur in 2014.

Attended the Perio - Adhyan held at Bareilly in 2014

Attended the I.S.P Colloquim held at Chandigarh in 2015.

Attended the I.S.P Parichay held at S.G.T Gurgaon in 2015.

Attended the 'Smart Dentistry' held at Teerthankar Dental College and Hospital Moradabad.

Attended Laser Integrate by Sola Academy, Pune on 28th Feb 2016

Attended the Mastership certificate course in Laser Dentistry by Sola International, Affiliated to University of Vienna, held in Vienna from 14th December to 17th December 2016.

Attended and chaired a keynote session at 41th ISP National conference held at Nagpur from 21st Oct to 23rd Oct 2016.

Attended the Diploma Certificate Course on —Lasers— by Sola Academy Affiliated to Vienna in Pune from 25th - 28th Feb 2016.

Attended the Mastership certificate course in Laser Dentistry by Sola International, Affiliated to University of Vienna, held in Vienna from 14th December to 17th December 2016.

Attended and chaired a keynote session at 41th ISP National conference held at Nagpur from 21st Oct to 23rd Oct 2016.

Dr. Nikhil Sharma

Attended the 36th I.S.P National Conference, Ahmedabad, Gujarat, 14-16th October, 2011.

Attended the INPAFO (Indo- Pacific society of Forensic Odontology) national conference on Forensic Odontology in ITS-CDSR, Muradnagar in September 2012.

Attended the 37th I.S.P National Conference, Shimla, Himachal Pradesh, 12-14th October, 2012.

Attended and chaired a scientific session at the 12th ISP PG Convention. ITS Dental College, Greater Noida, U.P., 1-3rd March, 2013.

Attended the 10th Pedodontics PG Convention, Sirifort Auditorium, Delhi, conducted by ITS Dental College & Hospital, Delhi- Meerut Road, Muradnagar, Ghaziabad, U.P., 13th-16th March, 2013.

Attended the 15th IPS PG Convention at ITS- CDSR on 14-16th June, 2013.

Attended and chaired a scientific session at the 38th ISP National Conference at Kochi on 25-27th Oct, 2013

Attended the Indian Dental Student Conference at ITS- CDSR held on 23-24th Nov, 2013.

Attended and chaired a scientific session at the International Conference of Dental Specialities held on 9-10th May, 2014 at ITS-CDSR.

Attended the ISP Colloquium conducted by ISP and Forsyth Institute on Periodontal- Systemic Interconnect Perspective and Strategies for Management held on 1-2nd September, 2014, at Maulana Azad Institute of Dental Sciences, New Delhi.

Attended the 16th IACDE & IES PG Convention hosted at I.T.S CDSR, Muradnagar, Ghaziabad, June 2015.

Attended and chaired two scientific sessions at the 28th ISDR Conference hosted at I.T.S CDSR, Muradnagar, Ghaziabad, 18th - 22nd Nov. 2015.

Attended and chaired a scientific session at 40th ISP National Conference at Hyderabad from 30th Oct to 1st Nov 2015.

Attended and chaired a scientific session at Indian Dental Student Conference-2016 held at ITS-CDSR from 15th - 16th March

Dr. Shubhra Vaish

Attended CDE and Live Surgical Workshop on Orthognathic Surgery at ITS –CDSR, Muradnagar on 18th & 19th Feb. 2011.

Attended CDE Programme —Endodontics Today|| held at ITS-CDSR, Muradnagar on 23rd September 2011.

Attended CDE Programme —Novel Periodontics- Unravelling the Future|| at ITS- CDSR, Muradnagar on 27th August 2011.

Attended Workshop on Dental Diode Laser at IDST, Modinagar in Feb 2012

Attended Symposium cum workshop on Pharmacovigilance and Basic Life Support at I.T.S CDSR, Muradnagar on 29 May, 2012

Attended 10th INPAFO (Indo- Pacific society of Forensic Odontology) national conference on Forensic Odontology in ITS-CDSR, Muradnagar from 7 to 9th September 2012.

Attended and chaired a scientific session at the 12th ISP PG convention — PerioRang|| held at ITS Dental College, Greater Noida on 1-3rd March 2013.

Attended ISPPD PG Convention held at Sirifort Auditorium from 14th -17th March, 2013.

Attended 15th National PG Convention of Indian Prosthodontic Society held at ITS-CDSR from 14th -16th June 2013.

Attended the CDE on — Zygomatic Implants- surgical and prosthetic concepts|| conducted by Nobel Biocare at I.T.S Centre for Dental Studies and Research, Muradnagar Ghaziabad on 11th and 12th August 2013.

Attended the CDE Program on — Biomechanics Simplified|| on 24th Sept, 2013 held at I.T.S Centre for Dental Studies and Research, Muradnagar Ghaziabad

Attended the Indian Dental Student Conference 2013, held on 23rd - 24th Nov, at I.T.S Centre for Dental Studies and research Muradnagar, Ghaziabad.

Attended the International Conference of Dental Specialities in association with IAGD held on 9th and 10th May 2014 at I.T.S Centre for Dental Studies and Research, Muradnagar Ghaziabad.

Attended the Pre Conference Workshop and Hands on Course on — PCR and Its applications|| at International Conference of Dental Specialities in association with IAGD on 9th and 10th May 2014 at I.T.S Centre for Dental Studies and Research, Muradnagar Ghaziabad.

Attended 39th Indian Society of Periodontology National conference at Jaipur from 10th -12th October 2014.

Attended lecture and workshop on —Recent Advances in Periodontal Surgery|| by Dr. Robert Horowitz held at AIIMS, Delhi on 20-21st February 2015.

Attended a Guest lecture on —Advances in Management of Oral Cancer organised by Galaxy Cancer Institute, Pushpanjali Crosslay Hospital held at ITS-CDSR, Muradnagar on 10th April 2015.

Attended the Pre Conference Workshop on —Botox and Dermal Fillers — by Dr. Sonali Kohli at 28th ISDR Conference organized by International Association for Dental Research from 20th to 22nd November 2015 at I.T.S Centre for Dental Studies and Research, Muradnagar Ghaziabad.

Attended and chaired a scientific session 28th ISDR Conference organized by International Association for Dental Research from 20th to 22nd November 2015 at I.T.S Centre for Dental Studies and Research, Muradnagar Ghaziabad.

Attended and chaired a scientific session at the Indian Dental Student Conference 2016 from 15-16th March, 2016 at at I.T.S Centre for Dental Studies and Research, Muradnagar Ghaziabad.

Attended 10th World Congress for Oral Implantology & AAID Global Conference (Co- organized with 5th ICOI South East Asia Conference) from 11th – 13th November 2016 at New Delhi.

Dr.Sujata Masamatti

Attended CDE programme on - Orthognathic Surgery organized at I.T.S. Centre For Dental Studies & Research, Muradnagar, Ghaziabad (U.P) on 18th & 19th Feb,2011.

Attended CDE programme on Endodontics Today organized at I.T.S. Centre For Dental Studies & Research, Muradnagar, Ghaziabad (U.P) on 23rd September,2011.

Attended the 26th Pierre Fauchard Academy- Colgate CDE Programme organized at I.T.S. Centre For Dental Studies & Research, Muradnagar, Ghaziabad(U.P) on 15th December 2012.

Attended Zygomatic implants workshop organized at I.T.S. Centre For Dental Studies & Research, Muradnagar, Ghaziabad(U.P) on 11th and 12th August 2013

Attended the Biomechanics simplified lectures and demonstration organized at I.T.S. Centre For Dental Studies & Research, Muradnagar, Ghaziabad (U.P) on 24th September, 2013

Attended the Colloquium Series; Periodontal-Systemic Interconnect, perspectives and strategies for management held on 1st -2nd September,2014 at Maulana Azad Institute of Dental Sciences, New Delhi.

Attended workshop on “Current Trends in Education and IQA” on 20th December 2014 at I.T.S Centre for Dental Studies and Research, Muradnagar Ghaziabad. .

Attended Guest lecture on—Prevention of Periodontal Diseases and Maintenance of Oral Hygiene on 12th January 2015 by Dr. Ajay Kakkar organized by Oral – B and Bite-In at I.T.S Centre for Dental Studies and Research, Muradnagar Ghaziabad.

Attended CDE on ‘Implants-The Way Forward’ under the Aegis of ISP study group-Meerut conducted at Subharti Dental College & Hospital on 3rd February 2015.

Attended CDE programme —Perio Continuum: Advancing to Excel” conducted at Divya Jyoti (DJ) College of Dental Sciences & Research, Modinagar on 19th February, 2015

Attended a Guest lecture on —Advances in Management of Oral Cancer” organised by Galaxy cancer Institute, Pushpanjali Crosslay Hospital held at ITS-CDSR, Muradnagar on 10th April 2015.

Attended the 36th Indian Society of Periodontics Conference held at Ahmedabad, Gujarat on 14th to 16th October 2011.

Attended the 38th ISP National conference held at Sree Gokulam Convention Center, Kochi on 25th, 26th and 27th October 2013.

Attended the 15th Indian Dental Student Conference held at I.T.S. Centre For Dental Studies & Research, Muradnagar, Ghaziabad (U.P) on 23rd -24th November, 2013 International Conference of Dental Specialties held at I.T.S. Centre for Dental Studies & Research, Muradnagar, Ghaziabad (U.P) on 9th and 10th May, 2014.

Attended the Teachers training Programme organized by ISP attended on 28-30 August 2016

Attended the Molecular PCR workshop

Attended the 12th ISP PG convention PERIORANG held at ITS

Dental College & Research Centre Greater Noida from 1st – 3rd March 2013.

I.T.S. Centre For Dental Studies & Research, Muradnagar, Ghaziabad (U.P) on 14th June 2013.

Attended 16th IACDE & IES Post Graduate convention held on 4th - 6th June, 2015 at I.T.S Centre for Dental Studies & Research, Ghaziabad.

Dr Rahul Chopra

Attended 16th IACDE & IES PG Convention hosted at I.T.S CDSR, Muradnagar, Ghaziabad from 4th to 6th June, 2015.

Attended and chaired a scientific session at the 28th International Society for Dental Research (ISDR) conference held from 18th and 22nd Nov 2015 at I.T.S CDSR, Muradnagar, Ghaziabad.

Attended and chaired a scientific session at the IDA Student conference on 15th and 16th march, 2016 held at ITS-CDSR, Muradnagar, Ghaziabad.

Attended a Staff CPC on —Botox and Derma fillers” on 21st December, 2015

Dr Mallika Sethi

Attended CDE and Live Surgical Workshop on Orthognathic Surgery at I.T.S –CDSR, Muradnagar on 18th & 19th Feb. 2011.

Attended a Continuing Dental Education programme (Novel Periodontics) held at I.T.S- CDSR Muradnagar (27th August 2011)

Attended CDE programme, Endodontics Today at ITS –CDSR, Muradnagar on 23rd September 2011

Attended a CDE on —New Age Skills for Dental Educators on 24th March 2012 at ITS Academy of Continuing Education , Greater Noida .

Attended Symposium cum workshop on Pharmacovigilance and Basic Life Support at I.T.S CDSR, Muradnagar on 29 May, 2012

Attended 10th INPAFO (Indo- Pacific society of Forensic Odontology) national conference on Forensic Odontology in I.T.S-CDSR, Muradnagar from 7 to 9th Sep 2012.

Attended 15th National PG Convention of Indian Prosthodontic Society held at ITS-CDSR from 14th -16th June 2013.

Attended the CDE on — Zygomatic Implants- surgical and prosthetic concepts conducted by Nobel Biocare at I.T.S Centre for Dental Studies and Research, Muradnagar Ghaziabad on 11th and 12th August 2013.

Attended the CDE Program on — Biomechanics Simplified on 24th Sept, 2013 held at I.T.S Centre for Dental Studies and Research, Muradnagar Ghaziabad

Attended the 12th ISP PG Convention held at I.T.S Dental college, Greater noida from 1st-3rd March 2013

Attended and chaired a scientific session during the Indian Dental Student Conference 2013, held on 23rd - 24th Nov, at I.T.S Centre for Dental Studies and research Muradnagar, Ghaziabad.

Attended a CDE Programme on —Recent advances in Clinical Dentistry on 4th May 2014 at J.L.N Auditorium A.I.I.M.S, New Delhi in collaboration with Faculty of Dental Sciences SGT University Gurgaon.

Attended a comprehensive Lecture on —Predictable and Successful Implantology Integrating imaging, Planning and failures on 18th May 2014 at Indian International Centre Lodhi Gardens, New Delhi

Attended workshop on —Current Trends in Education and IQA on 20th December 2014 at I.T.S Centre for Dental Studies and Research, Muradnagar Ghaziabad.

Attended a Guest lecture on —Advances in Management of Oral Cancer organised by Galaxy Cancer Institute, Pushpanjali Crosslay Hospital held at ITS-CDSR, Muradnagar on 10th April 2015.

Attended and chaired a scientific session at the 28th ISDR Conference organized by International Association for Dental Research from 20th to 22nd November 2015 at I.T.S Centre for Dental Studies and Research, Muradnagar Ghaziabad.

Attended the Indian Dental Student Conference 2016 from 15-16th March, 2016 at I.T.S Centre for Dental Studies and Research, Muradnagar Ghaziabad.

Attended the Pre Conference Workshop on —Botox and Dermal Fillers — by Dr. Sonali Kohli at 28th ISDR Conference organized by International Association for Dental Research from 20th to 22nd November 2015 at I.T.S Centre for Dental Studies and Research, Muradnagar Ghaziabad.

Attended workshop on „Bioethics in Clinical Research“ on 1st September 2014 at I.T.S Centre for Dental Studies and Research, Muradnagar Ghaziabad.

Attended a guest lecture on Breast and Cervical cancer by Dharamshila hospital, Organized by ITS-CDSR held on 28th Nov 2014

Attended Guest lecture on —Prevention of Periodontal Diseases and Maintenance of Oral Hygiene on 12th January 2015 by Dr. Ajay Kakkar organized by Oral – B and Bitein at I.T.S Centre for Dental Studies and Research, Muradnagar Ghaziabad.

Attended a talk on —Periodontal health maintenance in an Implant patient organized by Colgate at I.T.S-CDSR on 25th March 2015.

Attended a Guest lecture on Implants organized by Mirell Hollend at I.T.S-CDSR on 27th March 2015..

Attended the E.C.E Meeting held at India International Centre, New Delhi 2012

Attended the Teachers Training programme organized by Indian Society of Periodontology at IDST Modinagar, on 26th to 28th August 2016.

Attended the Diploma Certificate Course on —Lasers by Sola Academy Affiliated to Vienna in Pune from 25th - 28th Feb 2016.

Attended Laser Integrate by Sola Academy, Pune on 28th Feb 2016

Attended the Mastership certificate course in Laser Dentistry by Sola International, Affiliated to University of Vienna, held in Vienna from 14th December to 17th December 2016.

Attended and Completed 75 hours of theoretical and patient treatment with rehabilitation module in Comprehensive Implantology Program 2016 certified by University of Murcia, Spain at I.T.S Dental College, Muradnagar in 2016

Attended the Malaysian society of Periodontology conference held at Kuala Lumpur from 28th to 30th May 2016

Attended and chaired a keynote session by Dr Anand Krishnamurthy at 41th ISP National conference held at Nagpur from 21st Oct to 23rd Oct 2016.

Attended and was the chairperson for a scientific session at the 15th Indian Society of Periodontology Post graduate Convention in Bhubaneshwar on 12th to 13th March, 2016

Attended and chaired a keynote scientific session at the IDA UP State branch Dental conference at Balrampur house and Vikram Vintage Inn, Nanital from 2nd to 4th December 2016

Dr. Swveta Jain Gupta

Attended 36th ISP National Conference in Ahmedabad, 2011 from 14th to 16th Oct.2011

Attended Pre-conference course at 36th ISP National Conference, in Ahmedabad, 2011 from 14th to 16th Oct.2011

Attended CDE program on Lasers and Implants, in U.P dental college Lucknow in 2011

- Attended 11th ISP Post-graduate convention in Lucknow, 2012 from 6th to 8th April 2012.
- Attended CDE program on Research methodology in dental sciences, BBCODS, Lucknow, 2012
- Attended Forensic odontology National conference on 7th to 9th September 2012.
- Attended 37th ISP National Conference, in Shimla, from 12th to 14th Oct 2013
- Attended IDA National Conference on 23rd and 24th November 2013.
- Attended 12th ISP Post- graduate convention, in Greater Noida, 2013 from 1st to 3rd March 2013
- Attended CDE program on CBCT: The new dawn in treatment planning and diagnostic radiology, SPPGDIMS 2013
- Participated in the Programme —Prevention Of Periodontal Diseases Maintenance of Oral Hygiene at Saraswati Dental College ,Lucknow on 28th Jan 2015.
- Attended CDE Programme on —Dental Implants:A Multi-Design Approach to Optimize Implant based Rehabilitation at Saraswati Dental College, Lucknow on 26th Feb 2015.
- Attended 16th IACDE PG convention held at I.T.S-CDSR Muradnagar on 4-6th June 2015
- Attended CDE Programme:Dental Implants Prosthetic Phase at Banaras Hindu University,Varanasi on 20th September 2015.
- Attended Scientific lecture on Current opinions in Management of Biofilms & Periodontal Diseases Organized by Indian Society of Periodontology Listerine at I.T.S-CDSR Muradnagar on 23rd September 2015
- Attended and chaired a scientific session at the 28th ISDR conference 2015 held at ITS CDSR, Ghaziabad from 20-22 November 2015.
- Attended and Participated in a four day hands on Workshop on Teacher's Training Program-A faculty Development Program held at ITS CDSR, Ghaziabad on 9th, 14th, 16th & 23rd October 2015.
- Attended 10th World Congress of Oral Implantology and AAID global conference on 12th, 13th Nov 2016
- Attended Workshop on —Blood and Dental Plaque as Molecular Tools- Theories and Practices at conducted by Department of Oral pathology, ITS-CDSR on 12th December, 2016.

Student projects

Percentage of students who have taken up in-house projects including inter-departmental projects -

100 % - All post-graduate students undertake in-house projects which may involve other departments. The in-house projects may be divided into thesis and short studies as listed below.

Research Conducted in-house including inter-departmental research**C. List of Thesis**

Students Name	Title of Thesis	Guide	Co-Guide
Dr Garima Dhariwal	Comparative evaluation of the efficacy of a new toothpaste containing 8% arginine, calcium carbonate and 950 ppm fluoride (home/ in office use)against a toothpaste containing 5% potassium nitrate in reducing dentin hypersensitivity over a period of 12 weeks.	Dr Sujata Masamatti	Dr Nikhil Sharma
Dr Paras Verma	Comparative evaluation of Ossifi used alone and in combination with Tetracycline HCl, Fibrin – Fibronectin Sealing system in the treatment of Periodontal Infrabony Defects.	Dr Udayan Gupta	Dr Shubhra Vaish
Dr Sweta Kumari Singh	Coverage of localized gingival recession using coronally advanced flap - a comparison between microsurgical and macrosurgical techniques	Dr. Nikhil Sharma	Dr. Shubhra Vaish
Dr Swati Nagpal	A comparative Evaluation of Management of general hyper-pigmentation using surgeon blade & laser therapy: an aesthetic approach.	Dr. Vidya Dodwad	Dr. Nikhil Sharma
Dr Swati Dahiya	Comparative clinical and radiological evaluation of the efficacy of Nanocrystalline hydroxyapatite versus demineralized Freeze dried bone allograft in the management of infrabony defects	Dr. Udayan Gupta	Dr. Nikhil Sharma
Dr Vikram Mahajan	Comparative evaluation of treatment of grade II furcation involvement with demineralized freeze dried bone allograft alone or with bioabsorbable barrier membrane: A Clinico – radiographic study	Dr. Vidya Dodwad	Dr. Shubhra Vaish
Dr Ridhima Sood	Comparative clinical evaluation between subepithelial connective tissue graft and acellular dermal matrix allograft in the treatment of miller’s Class I or Class II gingival recession	Dr. Udayan Gupta	Dr. Sujata Masamatti
Dr Asmeeta Gulri	Comparative evaluation of osteopontin levels in gingival crevicular fluid of subjects with healthy periodontium, chronic periodontitis and type 2 diabetes mellitus and its assessment after scaling and root planing – A biochemical Study	Dr. Vidya Dodwad	Dr. Sujata Masamatti
Dr Nidhi Yadav	A comparative evaluation of autologous platelet-rich fibrin in combination with bovine porous bone mineral alone in the treatment of madibular grade II furcation defect _ A 6 month Clinico- Radiographic Study.	Dr.Shubhra Vaish	Dr.Mallika Sethi

Dr Akshay Malhotra	Comparative evaluation of efficacy of diode laser (980nm) and 5% sodium fluoride varnish in the treatment of dentinal hypersensitivity- A Case- Control Study	Dr. Udayan Gupta	Dr.Mallika Sethi
Dr Mansi Mehta	Comparative evaluation of the effect of low level laser therapy with decalcified freeze dried bone allograft alone in the treatment of periodontal infrabony defects – A clinicoradiological Study	Dr Nikhil Sharma	Dr. Sujata Masamatti
Dr Kapil Arora	Immediate implant placement in aesthetic zone: A 6 month Clinico-radiological Study	Dr. Vidya Dodwad	Dr.Mallika Sethi
Dr Akshay Kumar Gupta	Comparative Clinical Evaluation of the Efficacy of Doxycycline hyclate Gel and Chlorhexidine Gel in the treatment of chronic periodontitis.	Dr. Udayan Gupta	Dr. Shubhra Vaish
Dr Amandeep Dhillon	Clinical Comparative Evaluation of the Efficacy of Beta- Tricalcium Phosphate in putty consistency versus open flap debridement in treatment of mandibular grade II furcation defects	Dr. Nikhil Sharma	Dr. Shubhra Vaish
Dr Diksha Kumari	Comparative evaluation of enamel matrix derivative (Emdogain) and B- tricalcium phosphate in combination versus B- tricalcium phosphate alone in the treatment of periodontal intrabony defects	Dr. Vidya Dodwad	Dr. Nikhil Sharma
Dr Mahak Gera	A Comparative Evaluation of the Efficacy of diode laser following scaling & root planing and scaling & root planing alone : A Multiplex PCR study.	Dr. Vidya Dodwad	Dr. Sujata Masamatti
Dr Prekshya Rathi	Comparative Clinical Evaluation of platelet rich fibrin membrane versus type I collagen membrane in the treatment of Millers Class I/Class II gingival recession.	Dr. Udayan Gupta	Dr. Nikhil Sharma
Dr Shubhi Chaudhry	Comparative evaluation of recombinant platelet derived growth factor combined with beta tricalcium phosphate versus beta tricalcium phosphate alone in the treatment of human periodontal infrabony defects. : A Clinico- Radiographic Study.	Dr. Shubhra Vaish	Dr. Sujata Masamatti
Dr Jayshree Gaur	Comparative evaluation of resistin levels in GCF of obese and non- obese patients with chronic periodontitis and its assessment after scaling and root planing- A Clinico biochemical study	Dr. Shubhra Vaish	Dr. Sujata Masamatti
Dr Joohi Chandra	An estimation and evaluation of monocyte chemoattractant protein- level in gingival crevicular fluid of smokers with periodontitis-A Clinico - Biochemical study	Dr. Sujata Masamatti	Dr. Mallika Sethi

Dr Namrata Dwivedi	A Comparative Evaluation of Treatment of Grade II Furcation Involvement with MTA and Sybograf plus . (synthetic nanocrystalline hydroxyapatite and beta tricalcium phosphate) - a clinical study	Dr Vidya Dodwad	Dr. Mallika Sethi
Dr Siddharth Tevetia	Comparative Evaluation of bioactive Glass particles (PerioGlass) with and without intramarrow penetration in the treatment of periodontal intrabony defects-a Clinico-Radiographic study.	Dr Nikhil Sharma	Dr Rahul Chopra
Dr Vasudha Bhasin	The inter-relationship between Rheumatoid Arthritis and Periodontal Disease - A clinico-microbiological study.	Dr Vidya Dodwad	Dr Shubhra Vaish
Dr Vivek Khatri	A Comparative Clinical and Microbiological Evaluation of diode laser used alone and in conjunction with 0.3% methylene blue in patients with chronic periodontitis	Dr Vidya Dodwad	Dr Nikhil Sharma
Dr Ishita Joshi	Comparative evaluation of photodynamic therapy using Indocyanine green as an adjunct to non surgical periodontal therapy in terms of reduction in bacterial viability-A Clinico-microbiological study	Dr Vidya Dodwad	Dr Shubhra Vaish
Dr Neelam Raghav	Comparative evaluation of efficacy of hyaluronic gel and 24% EDTA with coronally advanced flapin treatment of Miller's class 1 and 2 gingival recession- A clinical and SEM study	Dr Vidya Dodwad	Dr Mallika Sethi
Dr Pratibha Choudhary	Comparative evaluation of autogenous bone graft and bioactive glass in intrabony defects: A clinico radiographic study	Dr Nikhil Sharma	Dr Sujata Masamatti
Dr Rajat Singla	Comparative evaluation of efficacy of amniotic membrane with calcium phosphosilicate bone graft (putty) versus calcium phosphosilicate bone graft alone in the treatment of intrabony defects – A Clinico radiographic study.	Dr Shubhra Vaish	Dr Rahul Chopra
Dr Himanshu Singh	Comparative evaluation of peri-implant bone height in digital conventional radiograph and C.B.C.T	Dr Sujata Masamatti	Dr Nikhil Sharma
Dr Vasim Malik	Comparative evaluation of efficacy of commercial fibrin adhesive viz-à-viz silk suture on wound closure in periodontal flap surgery procedure.	Dr. Nikhil Sharma	Dr. Mallika Sethi
Dr Bhavna Pathak	Wilckodontics- a synergism between Orthodontics and Periodontics.	DrVidya Dodwad	Dr Mallika Sethi

Dr Chandan Pal	Comparative evaluation of coronally advanced flap with or without Human placental chorion membrane in the treatment of Miller's Class I and Class II gingival recession – A clinical study.	Dr Rahul Chopra	Dr Nikhil Sharma
Dr Kunal Gaurav Seth	Patient's knowledge and awareness regarding dental implants among western UP province – An epidemiological survey.	Dr Sujata Masamatti	Dr Shubhra Vaish
Dr Swapnil Singh	Comparative evaluation of clinical and microbiological effect with or without diode laser irradiation in the management of Endodontic Periodontic lesions. A clinico-microbiological study.	Dr Vidya Dodwad	Dr Sujata Masamatti
Dr Trishu Chaudhary	A prospective clinical and radiographic study for evaluating the effect of biphasic hydroxyapatite and beta tricalcium phosphate in conjunction with APRF for socket preservation.	Dr Shubhra Vaish	Dr Rahul Chopra
Dr Vinita Dahiya	Comparative evaluation of peri-implant levels between immediate and early implant placement- A Clinico-Radiograph study	Dr Nikhil Sharma	Dr Rahul Chopra

List of Short Studies

Students Name	Title of short study	Guide	Co-Guide
Dr Kapil Arora	Comparative evaluation of efficacy of Aloe Vera gel, Irrigation following Scaling & root planing & scaling & root planing alone. A Clinico Microbiological Study.	Dr Udayan Gupta	Dr Vidya Dodwad
Dr Kapil Arora Swati Nagpal	A Comparative Evaluation of the Efficacy of Glycine Air Polishing following Scaling and Root Planing & Scaling and Root Planing Alone in the Treatment of Chronic Periodontitis : A Clinical Study.	Dr Vidya Dodwad	Dr Bhavna Jha Kukreja
Dr Paras Verma	Evaluation of the Clinical Efficacy of a new Desensitizing Tooth Paste Containing Nano-crystalline Hydroxyapatite in Dentin Hypersensitivity Patients: A Double Blind Randomized Controlled Clinical Trial.	Dr Udayan Gupta	Dr Vidya Dodwad
Dr Vikram Mahajan Dr Swati Nagpal	Gingival Depigmentation : A case series	Dr Vidya Dodwad	Dr. Udayan Gupta
Dr Ridhima Dr Diksha	Effects of Academic Stress on Gingival and Periodontal Health- A Questionnaire Study:	Dr Vidya Dodwad	Dr Shubhra Vaish

Dr Mansi Mehta Dr Nidhi Yadav	Autologous Platelet Rich Fibrin: A Boon to Periodontal Regeneration- Report of Two Cases:	Dr Shubhra Vaish	Dr Vidya Dodwad
Dr Mansi Mehta	Effect of Anaesthetic Gel while Probing in Patients with Chronic Periodontitis: A Comparative Clinical Study.	Dr Nikhil Sharma	Dr Vidya Dodwad
Dr Shubhi Chaudhry	Natural Antioxidant : Coenzyme Q ₁₀ (Perio Q) TM in management of Chronic Periodontitis- A Clinical Study:	Dr Shubhra Vaish	Dr Vidya Dodwad
Dr Ridhima Dr Prekshya,	Fighting five Categories of enlargement. From big gums to big smile-A case series:	Dr Vidya Dodwad	Dr Shubhra Vaish
Dr Mahak Gera Dr Shubhi Chaudhary Dr Amandeep Dhillon	Pink in, black out: gingival depigmentation – a clinical study.	Dr Vidya Dodwad	Dr Shubhra Vaish
Dr Jayshree Gaur Dr Joohi chandra	Assessment of 4% Ocimum Sanctum and 0.2% Chlorhexidine Irrigation as an Adjunct to Scaling & Root Planing in Management of Chronic Periodontitis	Dr Shubhra Vaish	Dr Vidya Dodwad
Dr Jayshree Gaur Dr Joohi chandra	Comparative evaluation of 2% ocimum sanctum and 1.2% chlorhexidine irrigation as an adjunct to SRP. A randomized clinical trial.	Dr Shubhra Vaish	Dr Vidya Dodwad
Dr Vasudha Bhasin Dr Namrata Dwivedi	Co-relation of capillary and gingival blood glucose level – chair side method of diagnosis of diabetes.	Dr Vidya Dodwad	Dr Sujata Masamatti
Dr Vasudha Bhasin Dr Namrata Dwivedi	Hand scaling vs ultrasonic- a better method?	Dr Vidya Dodwad	Dr Sujata Masamatti
Dr Vivek Khatri Dr Vasudha Bhasin Dr Namrata Dwivedi	Comparative evaluation of sybograft plus and amniotic membrane and sybograft plus alone in grade ii furcation defects - A Randomized control trial	Dr vidya Dodwad	Dr Sujata Masamatti
Dr Siddharth Dr Vivek Khatri	Comparative evaluation of efficacy of desensitizing agents and laser for management of dentinal hypersensitivity.	Dr Nikhil Sharma	Dr Vidya Dodwad
Dr Siddharth	A Questionnaire based survey on knowledge, attitude and practice of antibiotics among dental and paramedical students- a cross sectional survey .	Dr Rishi Rath	Dr Vidya Dodwad

Dr Siddharth	Comparative evaluation of five different approaches for the treatment of hyperpigmentation- a clinical and histological study	Dr Nikhil Sharma	Dr Vidya Dodwad
Dr Siddharth Dr Vivek Khatri	Comparative evaluation of antimicrobial coating on surgical suture in periodontal flap surgery- A Clinical, Microbiological Study	Dr. Sweyeta Jain Gupta	Dr Vidya Dodwad
Dr Vivek Khatri	Compare the efficacy of curcumin handrub with chlorhexidine if used as a handrub.	Dr Bhavna Jha	Dr Vidya Dodwad
Dr Vivek Khatri	Compare the efficacy of guava mouthwash compared with chlorhexidine- a microbiological study.	Dr Bhavna Jha Kukreja	Dr Vidya dodwad
Dr Rajat singla	Comparative efficacy and evaluation of hiora mouthwash and 0.1% curcumin and hexidine mouthwash in management of chronic periodontitis patient.	Dr Shubhra Vaish	Dr Vidya Dodwad
Dr Neelam Raghav	Comparative efficacy and evaluation of prevent varnish (colgate) with gelkam to reduce hypersensitivity	Dr Vidya Dodwad	Dr Mallika Sethi
Dr Himanshu Singh Dr Pratibha	Awareness of dental implants as a treatment option in periodontally compromised individual.	Dr Sujata Masamatti	Dr Vidya dodwad
Dr Himanshu Singh Dr Pratibha	Clinical evaluation and efficacy of 1% alendronate gel in chronic periodontitis patient.	Dr Nikhil Sharma	Dr Vidya dodwad
Dr Vasim Malik	Clinical and biochemical evaluation of mouthwash containing lactobacillus as an adjunct to non surgical periodontal therapy in chronic periodontitis patient.	Dr Nikhil Sharma	Dr Vidya dodwad
Dr Ishita Joshi Dr Rajat Singla	Comparative efficacy and evaluation of diode laser as an adjunct to stannous flouride in the management of dentinal hypersensitivity	Dr Vidya dodwad	Dr Shubhra Vaish
Dr Vinita Dahiya Dr Swapnil Singh, Dr Kunal Gaurav	The effect of german chamomile mouthwash on periodontal parameters and bacterial counts in patients with chronic periodontitis.	Dr Nikita Gupta	Dr Vidya Dodwad
Dr Bhavana Sharma Dr Trishu Chowdhery Dr Chandan Pal	Efficacy of 0.2% tempered chlorhexidine as a subgingival irrigant on patients with chronic periodontitis.	Dr Swyeta Jain Gupta	Dr Vidya Dodwad

Percentage of students doing projects in collaboration with other universities/ industry/ institute-
Nil

Awards / recognitions received at the national and international level by:

Faculty

Dr Vidya Dodwad

Guest speaker and for UAE International Dental Conference and Arab Dental Exhibition (AEEDC) Dubai-2012.
Won First Prize in Poster Presentation titled —Platelets to our rescue: role of PRF in furcation involvement — in the Faculty Category at International Conference of Dental Specialities in association with IAGD on 9th and 10th May 2014 at I.T.S Centre for Dental Studies and Research, Muradnagar Ghaziabad.
Guest Speaker at National I.S.P held at Shimla 2012
Guest Speaker at National I.S.P held at Kochi 2013.
Guest Speaker at I.D.A held at I.T.S.- CDSR Muradnagar 2013.
Guest Speaker at National I.S.P held at Jaipur 2014.
Guest Speaker at Perio - Adhyan held at Bareilly 2014
Guest Speaker at I.S.P Colloquim held at Chandigarh 2015.
Guest Speaker at I.S.P Parichay held at S.G.T Gurgaon 2015.
Guest Speaker at ‘Smart Dentistry’ held at Teerthankar Dental College and Hospital Moradabad.
Awarded the Diploma Certificate by University of Murcia Spain.
Awarded the Diploma Certificate by University of Vienna.
Awarded the Mastership Certificate by University of Vienna.

Dr Nikhil Sharma

Awarded Diplomate at World Congress of Oral Implantologists 2016 at Hotel Leela in New Delhi.

Dr Shubhra Vaish

Won First Prize in Poster Presentation titled —Platelets to our rescue: role of PRF in furcation involvement “ in the Faculty Category at International Conference of Dental Specialities in association with IAGD on 9th and 10th May 2014 at I.T.S Centre for Dental Studies and Research, Muradnagar Ghaziabad.
Guided and mentored the Innovative Project on — Lean Mean Machine: The Green 3D Printer|| a Solar Powered 3 D Printer which won the Dentsply Student Clinician Award 2016.
Delivered a talk organized by Indian Society of Periodontology on —Current opinions in biofilms, redefining prevention and redesigning styles.|| At I.T.S-CDSR Muradnagar, Ghaziabad

Dr Sujata Masamatti

Guided a BDS student who got first prize in the scientific session of I.S.D.R conference held at ITS –CDSR on 18th -22nd November 2015.

Dr Mallika Sethi

Awarded the Award of Excellence committed to dental excellence in honour and recognition of significant contribution and unflinching support towards IDA Head office during session 2014-2016 on 3rd December 2016 at 39th UP State Dental Conference 2016 in Nanital. Delivered a talk organized by Indian Society of Periodontology on —Current opinions in biofilms, redefining prevention and redesigning styles. At I.T.S-CDSR Muradnagar, Ghaziabad. in 2016.

Awarded the 2nd BEST Paper presentation AWARD on —Ligaplant : Periodontio- integrated implant A tissue engineered marvel at the 28th ISDR National Conference at ITS-CDSR from 18th to 22nd Nov 2015.

Guided a poster on Ligapplants: A Window to regenerative dentistry, which received THE BEST POSTER AWARD during the International Conference of Dental Specialities on 9th and 10th May 2014 at I.T.S Centre for Dental Studies and Research, Muradnagar Ghaziabad.

Dr Swyeta Jain Gupta

Achieved best paper award in paper presentation done in 28th ISDR conference 2015, on —Therapeutic Role of Mast Cell Stabilizers in Persistent Non-Specific Gingival Hyperplasia

Doctoral /post doctoral fellows:

None

Students (Postgraduates)

Dr. Vinita Dahiya, Dr. Bhavana Pathak won the First prize in Quiz Competition on _World Radiology Day‘2016 held at I.T.S Centre for Dental Studies & Research, Ghaziabad, U.P.

Dr. Trishu Chowdhery won the Second prize in Quiz Competition on _World Radiology Day‘2016 held at I.T.S Centre for Dental Studies & Research, Ghaziabad, U.P.

Dr Siddharth won the First prize in poster presentation on World No tobacco Day held at I.T.S Centre for Dental Studies & Research, Ghaziabad, U.P on 31st May, 2016

Dr Siddharth won the First prize in original research paper in Indian Dental Student Conference -2016 held at I.T.S Centre for Dental Studies & Research, Ghaziabad, U.P.

Dr. Siddharth won the Second prize in poster on World Cancer Day held at I.T.S Centre for Dental Studies & Research, Ghaziabad, U.P.

- Dr. Siddharth won the first prize in original research paper in 28th ISDR Conference -2015 held at I.T.S Centre for Dental Studies & Research, Ghaziabad, U.P
- Dr. Siddharth won the first prize in poster on World No Tobacco Day held at I.T.S Centre for Dental Studies & Research, Ghaziabad, U.P on 31st May, 2015.
- Dr. Siddharth received merit certificate for outstanding performance in Academics/Scientific activities at National level for the year 2015
- Dr. Siddharth received merit certificate for outstanding performance in Academics/Scientific activities at National level for the year 2016
- Dr. Siddharth was awarded cash prize of Rs. 20,000 for getting selected in YOUNG DENTAL RESEARCH AWARD -2016 held at I.T.S Centre for Dental Studies & Research, Ghaziabad, U.P.

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any

Title	Date	Source of Funding	Attended By
12 th ISP Postgraduate Convention	1 st -3 rd March, 2013	Delegates Registration Fee	More than 1200 delegates
CDE Program (Novel Periodontics)	27 th August 2011	Delegates Registration fees	More than 300 delegates

31. A Code of ethics for research followed by the departments

All the research projects of the department are sent to the Institutional Research Committee to check for the feasibility and then forwarded to the Institutional Ethical Committee for approval. The Institutional Ethical Committee is recognized by the Government of India and follows the ICMR Ethical Guidelines for Biomedical Research on Human participants, 2006 and the Helsinki Declaration Human Medical Experimentation Ethics Document, 2008.

32. Student profile program-wise

Name of the Program	Application received	Selected		Pass percentage %	
		Male	Female	Male	Female
BDS					
2012	350	20	77	95%	96.7%
2013	263	26	74	88.46%	97.36%
2014	249	26	74	100%	98.64%
2015	292	23	77	Ongoing batch	
2016	263	14	47	Ongoing batch	
MDS					
2013	152	2	4	100%	100%
2014	132	2	4	Ongoing batch	
2015	109	3	3	Ongoing batch	
2016	136	2	4	Ongoing batch	

Diversity of students

Name of the Program	% of students from the same University	% of students from other University within the State	% of students From University outside the State	% of Students from other Countries
MDS 2012	33.33%	Nil	66.66%	NIL
2013	66.66%	Nil	33.33%	NIL
2014	50%	16.7%	33.3%	NIL
2015	66.6%	16.7%	16.7%	NIL
2016	16.7%	33.3%	50%	NIL

How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise

Nil

35. Student progression

Student progression	Percentage enrolled
UG TO PG	16.66%
PG TO M.PHIL, DM/	Nil
PG TO Ph.D	Nil
Ph.d to Post Doctoral	Nil
Employed	
❖ Campus selection	Nil
❖ Other than campus recruitment	Nil
Entrepreneurs	Nil

36. Diversity of staff

Percentage of faculty who are graduates	
Of the same university	12.5%
from other universities within the State	25%
from universities from other states	62.5%
from universities outside the country	Nil

Number of faculty who were awarded M.Phil., DM, M Ch, Ph.D., D.Sc. and D.Litt. during the assessment period

Nil

Present details of departmental infrastructural facilities with regard to:

The department prides itself with a grand and impressive infrastructure with state of the art equipment, library, well equipped laboratories, lecture theaters and seminar halls. A complete learning laboratory offering complete access to the Web, computer databases, digital media and a host of other resources are the main highlights.

Library

The library has a seating capacity for 10 individuals. Reading room facility is available and the faculty and the students utilize it to the maximum. The record of utilization of library is maintained and verified monthly. It is equipped with a computer which is provided with internet facilities. Digital library facility having internet connection is available, with online journals subscribed viz EBSCO.

- Books- 88
- Title author books -51

The department library also has 21 CD's and 330 hard copies of all the seminars of each batch (2012 to 2016) presented by the postgraduate students.

Internet facilities for staff and students

The entire department boasts of 24x7 internet connectivity of high bandwidth, which enhances an individual's productivity by enabling them to access the network anywhere in the department. A password is provided which ensures complete security. A Vodafone leased line support of 20 Mbps both as wired and Wifi network is made available in the department. Local area network cable is also present.

Total number of class rooms

There are four classrooms in the college as per DCI requirement which are used by all the departments for conducting lectures for BDS students. In addition, the department is also equipped with a seminar room for post-graduate students.

Class rooms with ICT facility and „smart“ class rooms

All the classrooms are smart classrooms and have ICT facility. One classroom is equipped with smart boards.

Students“ laboratories

Pre-clinical work of Post graduate Ist year is carried out in the student laboratory.

Research laboratories

The department is fully furnished, with 18 centrally air-conditioned individual cabins, used for patient treatment. They are also used as research laboratories where postgraduates carry out the research activities pertaining to their respective thesis or short term studies.

List of doctoral, post-doctoral students and Research Associates

from the host institution/university : Nil

from other institutions/universities : Dr Vidya Dodwad has completed Diploma in Hospital management from Apollo Hospital Hyderabad in the year 2012

Number of post graduate students getting financial assistance from the university

Nil

Was any need assessment exercise undertaken before the development of new program (s)? If so, highlight the methodology.

See number 42.

Does the department obtain feedback from

**Faculty on curriculum as well as teaching-learning-evaluation?
If yes, how does the department utilize the feedback?**

The Department has a systematic mechanism to obtain feedback on relevant matters regarding the existing prescribed curricula. The feedback is obtained from the faculty receptive to the suggestions provided. Periodic meetings are held regularly on a monthly basis to discuss the range of issues concerning the teaching curriculum and evaluation. Curriculum enrichment is done from time to time and newer methods of teaching, discussions are adopted to promote academic excellence. Any kind of grievances are also taken up during the monthly meetings held in the department.

**Students on staff, curriculum and teaching-learning-evaluation
and how does the department utilize the feedback?**

Yes, the Department collects Feedback forms from the students on Staff, Curriculum and Teaching learning evaluation and is assessed periodically. Areas of improvement are shortlisted and rectified in consultation with the Faculty.

**Alumni and employers on the programs offered and how does
the department utilize the feedback?**

There is a well organized formal system of taking feedback from alumni and the employers. The feedback is obtained through feedback forms distributed and periodically assessed to incorporate newer methods in teaching curriculum and research methodology.

43. List the distinguished alumni of the department (maximum 10)

- 1) Dr Garima Dhariwal has been appointed as a Periodontics Consultant at Clove Dental, New Delhi.
Dr Ridhima Sood has been appointed as a Senior Periodontics Consultant at City Hospital, Saket, New Delhi.
Dr Mansi Mehta has been appointed as a Senior Periodontics Consultant at Max Hospital, Patparganj, New Delhi.

Give details of student enrichment programmes (special lectures / workshops seminar) involving external experts.

Listerine Lecture organized by I.S.P on —Current opinions in biofilm management, redefining prevention, redesigning lifestyle organized every year for BDS students.

Special lectures sponsored by Oral B, Colgate are also conducted once in a year.

Advanced learning is advocated through courses offered by the college in areas of Implantology involving external experts. (ICOI Implant course affiliated to University of Murcia, Spain)

Conferences and workshops are organized to achieve academic excellence.

Students are also given the opportunity to enroll for various preconference courses organized by the institute. The greatest level of excellence is achieved by exposing the students to lectures dealt with by foreign speakers.

Various cultural programmes are organized: Euphoria (Intracollegiate) and Occlusion (Intercollegiate).

Lecture on — Current Trends in Education and IQAI on 20th December 2014 was organized at I.T.S Centre for Dental Studies and Research, Muradnagar Ghaziabad

Various Cancer screening programmes are organized to increase awareness.

Oral health day, World hepatitis day, World AIDS day are also celebrated.

List the teaching methods adopted by the faculty for different programs including clinical teaching.

Didactic lectures, Power point presentations, seminars are incorporated in the teaching curriculum.

Clinical and chair side discussion, demonstration of principles of instrumentation and case history discussions are taken on a regular basis.

Organization of workshops and CDE's by eminent national and international faculty is encouraged.

A mentor system is followed and regular assignments given to the students.

Interaction on a regular basis to obtain feedback about the teaching curriculum and newer methods is improvised.

The students are exposed to practical work which aims to develop students knowledge and understanding of the subject.

Periodic tests and examination are conducted to evaluate student performance.

The lectures in the form of power point presentations are uploaded prior to the schedule, so that the students are well versed with the topic.

How does the department ensure that program objectives are constantly met and learning outcomes are monitored?

The Department objectives are met by inculcating knowledge, skill and attitude. The diagnostic skills are assessed through presentation of cases on a weekly basis. Theoretical knowledge is assessed on basis of seminar and journal club presentations.

- Regular class test, end posting exams, and sessional exams are conducted.
- Mentors are appointed for each student to monitor and guide them.
- Regular viva voce is taken to ensure that the objectives are met and learning outcomes monitored.

Highlight the participation of students and faculty in extension activities. Students and faculty regularly participate in:

A number of extension activities are initiated by the department.

Students regularly participates in CDE programs and conferences: Paper and poster presentations in conferences and workshops are encouraged.

Extra-curricular activities are encouraged (Euphoria and Occlusion)

Active participation in awareness programmes advocated. No tobacco day, Oral hygiene day, Oral health day.

Dental camps and satellite clinics organized to cater to the poorer sections of the society.

Students actively participate in blood donation and cancer screening camps.

Quiz competitions are conducted.

Both Undergraduate and postgraduate students are also actively involved in the camps held by Department of Community Dentistry.

S.No.	Year	Total No. of Camps Held
1.	2012	153
2.	2013	162
3.	2014	167
4.	2015	150
5	2016	126

Give details of “beyond syllabus scholarly activities” of the department.

S.No.	Date of events	Name of Events
1	18/02/2012	Euphoria (A Cultural Extravaganga)
2	06/03/2012	Dentist Day Celebration
3	07/03/2012	World Health Day celebration
4	24/03/2012	World T.B.Day celebration
5	14/06/2012	Blood Donor Day
6	28/07/2012	World Hepatitis Day
7	05/09/2012	Teachers day celebration
8	13/09/2012	World Oral Health Day celebration
9	13/10/2012	World sight day
10	30/11/2012 to 01/12/2012	Occlusion 2012
11	30/03/2013	Alumni meet 2013 convocation
12	06/04/2013	World Health Day celebration
13	22/04/2013 to 27/04/2013	Sports Day
14	03/05/2013 to 04/05/2013	Inter batch competition- Euphoria 2013
15	31/05/2013	World No Tobacco Day
16	12/07/2013	Prize distribution ceremony for " Euphoria 2013"
17	22/08/2013	Pledge Day in collaboration with colgate Palmolive India Ltd. And ACFF (Alliance for Cavity free future)
18	05/09/2013	Teacher's Day celebration
19	13/09/2013	Fresher's Party of 14th BDS Batch (2013-17)
20	01/10/2013	International Geriatric Day
21	14/11/2013	Children's Day celebration
22	04/02/2014	World Cancer Day
23	06/03/2014 to 08/03/2014	Dentist day celebration (Denture camp organised)
24	05/04/2014	Annual Convocation ceremony & Alumni Meet
25	07/04/2014	Awareness of exercise of voting rights
26	06/08/2014 to 08/08/2014	Euphoria- 2014 Academic excellence & cultural award day
27	05/09/2014	Teachers Day celebration
28	19/09/2014	Fresher's party 15th Batch BDS (2014-18)
29	27/08/2014	Cancer screening camp
30	01/10/2014	International Elderly day
31	28/07/2014	World Hepatitis day
32	12/12/2014 to 13/12/2014	Occlusion 2014
33	02/03/2015	White Coat ceremony
34	20/03/2015	World Oral Health day "A Denture Camp"

35	04/04/2015	Convocation ceremony & Alumni Meet
36	28/05/2015 to 30/05/2015	Euphoria 2015 "Interclass Cultural Fiesta"
37	28/07/2015	World Hepatitis day
38	21/09/2015	Fresher's Party 16th Batch BDS (2015-2020)
39	01/10/2015	World Elderly day celebration
40	14/11/2015	Children's day celebration Theme of celebration: "Join us to make this nation a 'Smile Selfie' nation"
41	04/02/2016	World Cancer Day
42	06/02/2016	White Coat Ceremony
43	16/02/2016 to 18/02/2016	Staff Development Program
44	08/03/2016	Women's Day Celebrations
45	20/03/2016	World Oral Health Day 2016

State whether the program/ department is accredited/ graded by other agencies? If yes, give details.

All the programs are recognized by the Dental Council of India

Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

An education colored by research is one way of achieving intellectual rigor necessary for the professional. Research projects undertaken, help in acquiring and assimilating new knowledge and keep an individual abreast with the latest technologies.

The department of Periodontics is well equipped with the latest equipments viz Lasers, PRF centrifugation machine which enables students to carry out various short term studies in collaboration with the advanced research centre and also encourages research work in association with other departments. Other than the dissertation which is a part of the curriculum students are encouraged to take up challenging cases to add to their knowledge. Newer advances in treatment modalities are adopted to increase the standard of care and produce quality dentists at par with the international standards.

A post graduate student of batch 2014-2017 designed an automated dental vending machine which helps to facilitate dental product. UNIDENT machine helps to decide which product is good for oral health and also helps to find out dentists nearby. It consists of a new travel tooth brush (spine and brush) inbuilt with tooth paste dispenser which can be easily refilled by vending machine.

Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

STRENGTHS

The department has a fine infrastructure for both undergraduate and postgraduate training program, patient care and various research activities in the field of Periodontology.

The department boasts of a voluminous library where latest information is available.

The Department is fully equipped with the latest technology: Laser, PRF centrifugation machine, electrosurgical unit.

In collaboration with the department of Prosthodontics and Oral surgery special cases of implants are dealt in the implantology section.

The Department is also a centre for collaborative research and clinical trials with Industry. The advanced research centre caters to the various ongoing and completed projects.

WEAKNESS

Should be recognized for PhD

OPPORTUNITIES

To promote CDE programs and faculty enrichment programs.

To promote advances in research fields.

To provide opportunities to students to work in collaboration with any foreign university.

To improve quality care and enhance knowledge by keeping pace with newer technologies and advancements.

To promote free dental check up to cater to the needy and the poorer sections of the society.

CHALLENGES

To provide quality treatment and patient care.

To advocate distant learning.

To promote the use of digital media for learning.

To increase awareness amongst weaker and poorer sections of the society.

To incorporate advances in education by promoting advanced and newer technologies.

Future plans of the department.

The distinguishing characteristic of future developments in the department is to focus on excellence in education and research facilities, developments in therapies and techniques to improve quality of life. The future plans are as follows:

- To inculcate modern equipments and to procure latest instruments.
- To conduct specialized courses in Periodontology in collaboration with foreign universities.
- Developing department as a prestigious research centre with modern technologies viz molecular genetics, molecular biology and medical technology.
- To promote stem cell therapy and tissue engineering strategies to keep pace with modern advancements.
- To promote interdisciplinary activities.
- The department also aims to inculcate the practice of evidence based periodontal therapy.

**DEPARTMENT OF CONSERVATIVE DENTISTRY &
ENDODONTICS**

Name of the Department:

Department of Conservative Dentistry & Endodontics

Year of

establishment: 2000

Is the Department part of a college/Faculty of the university

Department is part of ITS Dental College, Muradnagar, Ghaziabad which is affiliated to Choudhary Charan Singh University, Meerut.

Names of programs offered (UG, PG, PharmD, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.)

UG- BDS

PG- MDS

Interdisciplinary programs and departments involved

The department regularly collaborates with other specialities to encourage and develop an inter disciplinary approach to provide holistic care to the patients. Inter-departmental meetings are conducted in the form of case discussion and seminars with Department of Periodontics for the better prognosis of Endo-Perio lesions and department of orthodontics requiring endo-ortho interdisciplinary approach. Practice management workshop has also been conducted by the department.

Senior faculty is also engaged in giving clinical lectures pertaining to speciality to PG students of other departments. One Senior Lecturer is permanently deputed in the comprehensive clinic of public health dentistry

Courses in collaboration with other universities, industries, foreign institutions, etc.

One post graduate student from the department attended the student exchange program with Tuft's University, Boston in the year 2016 for a period of three weeks to observe and inculcate the international trends in academics and patient care.

Details of programs discontinued, if any, with

reasons Nil

Examination System: Annual/Semester/Trimester/Choice Based Credit System

BDS: Annual University Examination System, Internal assessment in each trimester University Exam after 3 years

MDS: years

Participation of the department in the courses offered by other departments

The post graduate students have been a part of various courses offered by other departments in the college such as:-

Final year post-graduate students attended the CBCT workshop conducted by the Department of Oral Medicine & Radiology on 1-5th February 2016

Final year post-graduate students attended the CBCT workshop conducted by the Department of Oral Medicine & Radiology on 21st-23rd September 2016.

All the post-graduate students attended the Pharmaco-vigilance workshop conducted by the Department of Pharmacology on 29th May 2012.

All the post-graduate students attended the —Basic Life Support workshop on 29th May 2012

Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned (As per DCI requirement for 2 units)	Filled
Professor	2	3
Associate professor/Reader	4	3*
Assistant professor/ Senior lecturer	2	3
Tutor	0	02

*One Reader has been recently promoted as Professor

Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

S. No	Name	Qualification	Designation	Specialization	Experience
1.	Dr Sonali Taneja	MDS	Professor & Head	Conservative Dentistry & Endodontics	15 Years
2.	Dr Mohit Kumar	MDS	Professor	Conservative Dentistry & Endodontics	11 Year

3.	Dr Pragya Kumar	MDS	Professor	Conservative Dentistry & Endodontics	9+ Year
4.	Dr.Himani Lau	MDS	Reader	Conservative Dentistry & Endodontics	1year 5 months
5.	Dr Shubhra Mallik	MDS	Reader	Conservative Dentistry & Endodontics	4 Year 6months
6.	Dr Nivedita Gulati	MDS	Reader	Conservative Dentistry & Endodontics	4 Year
7.	Dr Ajeet S Bhalla	MDS	Senior Lecturer	Conservative Dentistry & Endodontics	2 years 5months
8.	Dr Chetna Dudeja	MDS	Senior Lecturer	Conservative Dentistry & Endodontics	1year 10 months
9.	Dr. Saurabh	MDS	Senior Lecturer	Conservative Dentistry & Endodontics	7 months
10	Dr. Rachita jain	BDS	Tutor		3 years 6 months
	Dr. Ruchi Rathi	BDS	Tutor		1 Month

For research under guidance refer to Question no. 28

List of senior Visiting Fellows, adjunct faculty, emeritus professors

Nil

Percentage of classes taken by temporary faculty – program-wise information

There is no temporary faculty associated with the department.

Program-wise Student Teacher Ratio

B.D.S – 11:1
M.D.S- 2:3

Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

S. No.	Sanctioned	Filled
Support staff(technical)	5	5
Administrative staff	2	2

Research thrust areas as recognized by major funding agencies

Use of synthetic and natural MMP Silencers in long term durability of bond strength and in the prevention of collagen degradation (under consideration by ICMR for funding)

Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

Nil

Inter-institutional collaborative projects and associated grants received a) National collaboration b) International collaboration

Nil

Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received

Nil

Research facility / centre with :

State recognition

National recognition

International recognition

In-house state-of-the-art research centre is available in the institution, facilities of which are being utilized by the department.

Special research laboratories sponsored by / created by industry or corporate bodies

Nil

Publications:

Number of papers published in peer reviewed journals (national / international)

48(National 44, International 4)

Year-wise list of publications

2011

Taneja S, Kumari M, Sharma P. Multidisciplinary treatment of subgingivally fractured maxillary incisors: Two case reports. IJDSR 2011;29(1):50-53.

Taneja S, Kumari M. Effect of internal matrices of hydroxyapatite and calcium sulfate on the sealing ability of mineral trioxide

aggregate and light cured glass ionomer cement. *J Cons Dent* 2011;14 (1):6-9. (Pubmed indexed)

Gupta S, Chadha R, Taneja S. Spiral CT in Diagnosis of 4-Rooted Maxillary Second Molars Bilaterally: A Case Report. *J Oral Health Comm Dent* 2011;5(2):103-106.

M Kumari, Taneja S, Parkash H. Comparative evaluation of microleakage of one self-etch and two total-etch bonding systems-An In Vitro Study. *J Ind Dent Asso* 2011;5(6):679-682.

2012

5) Taneja S, Chadha R, Gupta R, Gupta A. Comparative Evaluation of Sealing Properties of Different Obturation Systems Placed Over Apically Fractured Rotary NiTi Files. *J Cons Dent* 2012;15(1):18-21. (Pubmed indexed)

Taneja S, Kumari M. Use of Triple Antibiotic Paste in treatment of large Periapical lesions. *J. of investigative & clinical dentistry* 2012;3(1):72-76.

Chadha R, Taneja S, Kumar M, Gupta S. An in vitro comparative evaluation of depth of tubular penetration of three resin-based sealers. *J Cons Dent* 2012;15(1):36-40. (Pubmed indexed)

Kumar P, Shenoy A, Joshi S. Effect of surface contaminants on the microleakage of two bonding systems-An Invitro study. *J Conserv Dent* 2012;15(3):265-9. (Pubmed indexed).

Babaji P, Keswani K, Lau H, Role of probiotics in oral health- a review of literature. *J Edu & Eth in Dent.* 2012; 2 (2):52 – 55.

Sharma R, Sharma P, Kumar P, Kumar P. Non syndromal Multiple Supernumerary premolars in siblings-A case report. *IJDS* 2012;4(3):78-80

2013

Saini M, Kumari M, Taneja S. Comparative evaluation of the efficacy of three different irrigation devices in removal of debris from root canal at two different levels – An in Vitro study. *J Conserv Dent* 2013;16:509-13. (Pubmed indexed)

Phogat N, Kumar M, Taneja S. Influence of dual cured composite and Resin modified glass ionomer cement used as a dentin substitute on the microleakage of class II open sandwich restorations. *Journal of Dental Specialties* 2013;1(2).

Phogat N, Taneja S, Kumar M. Management of Internal resorption. A case report. *Healtalk* 2013;5(4):17.

Dewan R, Taneja S, Kumar P, Shukla A, Saini M. Clinical Management of Radix Entomolaris.. *Journal of Dental Specialities* 2013;1(1)94-97.

Sapra V, Taneja S, Kumar M. Surface geometry of various nanofiller composites using different polishing systems: A comparative study. *J Conserv Dent* 2013; 16(6): 559–63. (Pubmed indexed).

Taneja S, Kumari M, Malhotra K, Arora A, Anand S. Management of Open Apex in Anterior Teeth using MTA-Report of Three Cases. *Journal of Dental Specialities* 2013;1(1):114-119.

Taneja S, Kumari M, Gupta A. Evaluation of light transmission through different esthetic posts and its influence on the degree of polymerization of a dual cure resin cement. *J Cons Dent* 2013;16(1);32-35. (Pubmed indexed)

Puri N, Chadha R, Kumar P, Puri K. An invitro comparison of root canal length determination by Denta Port ZX and iPex locators. *J Conserv Dent* 2013;16 (6):555-8. (Pubmed indexed).

Kumar P, Singh V, Kumar P, Sharma P, Sharma R. Effects of premolar extractions on Bolton overall rations and tooth size discrepancy in a north Indian population. *Journal of orthodonticscience* 2013;2(1);23-27.

Dharam H, Taranuana P, Kuldeep D, Babaji P, Lau H. Air abrasion-application in dentistry. *J of Pharm & Biomed Sci* 2013;33(33) 1599-1601.

Lau H, Lau M, Utthappa S, Lasers- a boon in dentistry. *J of Pharm & Biomed Sci* 2013; 34(34):1643 – 53.

2014

Taneja S, Mishra N, Malik S. Comparative evaluation of human pulp tissue dissolution by different concentrations of chlorine dioxide, calcium hypochlorite and sodium hypochlorite: An in vitro Study. *J. Conserv Dent.*2014;17(6):541 – 5. (Pubmed indexed)

Arora C, Kumari M, Taneja S. Comparative evaluation of apical leakage after post space preparation in root canals obturated using three resin-based root canal sealers: an *in-vitro* study. *IJO CR* 2014;2(6):20-5. (International Publication)

Srivastava S, Taneja S, Kumar M. Effect of accelerants on the setting time of white Portland cement and white MTA : An in – vitro study. *International Journal of oral care research* 2014: 2(5) 2-6.

Desai A. V. Taneja S, Desai N.A Kumar P. Surface tension evaluation for different root canal irrigants: an in – vitro study. *International Journal of oral care research* 2014: 2(4) 16-20.(International Publication)

Taneja S, Kumari M, Anand S, Effect of Qmix, peracetic acid and ethylenediaminetetraacetic acid on calcium loss and microhardness of root dentine, *J conserve Dent* 2014;17:155-8.

Anand S, Taneja S, Kumari M , Effect of accelerants on the immediate and the delayed sealing ability of mineral trioxide aggregate when used as an apical plug: An in vitro study, *J Conserv Dent* 2014;17:45-8. (Pubmed indexed)

Arora A, Taneja S, Kumar M. Comparative evaluation of shaping ability of different rotary NiTi instruments in curved canals using CBCT. *J Conserv dent* 2014;17:35-9. (Pubmed indexed)

Dhingra V, Taneja S, Kumar M, Kumari M. Influence of Fiber Inserts, Type of Composite, and Gingival Margin Location on the Microleakage in Class II Resin Composite Restorations. *Operative Dentistry*: 2014;39(1):E9-E15. (International Pubmed indexed)

Singh S, Jali P, Babaji P . Chaurasia V, Somasundram P, Lau H, Knowledge and attitude about computer and internet usage among dental students in western Rajasthan, India. *J Int Soc Prev & Comm Dent* 2014;4(1):29-34.

K.V Kiran, Tadiconda A, Tajaria K, Raina S, Lau H, In vitro evaluation of compressive strength of micro hybrid and nana composites. *Oral health & Diag Med* 2014;13(4):1-3.

Mujeed A, Munjal S, Babaji P, Chaurasia V, Munjal S, Lau H, Invitro evaluation on facture strength recovery of reattached anterior fractured tooth fragment using different reattachment techniques. *J Clin & Diag Res* 2014;8(3):208-11.

Singh A, Lau H, Lambha G. Deletion of short arm of chromosome18; Del 18(P)syndrome. *J Ind Soc of Ped & Prev Dent.*2014;32(1):68-70.

Lau H, Lau M, Utthappa S, Enterococcus faecalis eradication with three Int J dent clin 2014;6(1):6-11.

Nayyar P, Nayyar P V, Kumar P, Thakral G.K, Bhalla A. Mineral trioxide aggregate as an orthograde apical plug in infected and open root end apices: a case series *Int J Dent Heath Sci* 2014;1(6):1012-1020.

Dhingra A, Saurabh, Bhullar H K. Comparative evaluation of progressive changes in canal shape after using reciprocatory and rotary single file systems with protaper next in mesial root canal of mandibular first molar by using cone beam computed tomography. *Journal of international college of dentists* 2014;59(1&2):38-46.

2015

Kumari M, Taneja S, Arora C, Gulati N. Comparative evaluation of depth of cure of two bulk-fill composites by surface Vickers hardness. *Indian J Dent Sci* .2015.

Srivastava S, Taneja S, Kumar M, Kochchar R. Effect of accelerants on pH and Antimicrobial activity of white Portland cement and white MTA: an in-vitro study. *Endodontology* 2015; 27(2):152-6.

Taneja S, Kumar P, Malhotra K, Dhillon J. Antimicrobial Effect of an Oxazolidinone, Lantibiotic and Calcium hydroxide against E. faecalis Biofilm- An In Vitro Study. *Indian J Dent* 2015;6:190-4. (Pubmed indexed).

Dudeja C, Taneja S, Kumari M, Singh N. An in vitro comparison of effect on fracture strength, pH and calcium ion diffusion from various biomimetic materials when used for repair of simulated root resorption defects. *J Conserv Dent* 2015;18:279-83. (Pubmed indexed)

Taneja S, Kumari M, Barua M, Dudeja C, Malik M. Apical extrusion of Enterococcus faecalis using three different rotary instrumentation techniques: An in vitro study. *Indian J Dent Res* 2015;26:67-71. (Pubmed indexed).

Gupta R,Dhingra A, Bhullar H.K, Saurabh. Endodontic Retreatment by Removal of Metallic Post: A Case Report. *IJSS Case Report and review* April,2015 Voi 1 issue 1.

Bhalla A, Kumar P, Nayyar P, Dudeja C, Comparative Evaluation of Microleakage of five different Retrograde filling materials with or without Root End Bevel: An in vitro study. *Endodontology* 2015;27(1): 3-7.

Lakhiyani R, Pandit A, Jethani G, Mishra P, Gulati N, Diastema closure using porcelain veneers for smile designing – a case report, *Journal of Research & Advancement in Dentistry* 2015; 4:2:271-275.

2016

Bansal R, Taneja S, Kumari M. Effect of ceramic type, thickness and time of irradiation on degree of polymerization of dual cure resin cement. *J Cons Dent* 2016;19(5):414.

Taneja S, Kumar P, Kumar A. Comparative evaluation of the microtensile bond strength of bulk fill and low shrinkage composite for different depths of Class II cavities with the cervical margin in cementum: An *in vitro* study. *J Conserv Dent* 2016;19:532-5. (Pubmed indexed)

Malik S, Taneja S, Chadha R, Kumari M. Effect of Chitosan on sustained release of chlorhexidine – An in vitro study. *Journal of Dental Specialities* 2016; 4 (1):21-5.

Babaji P, Jantap K, Lau H, Bansal N. Comparative evaluation of antimicrobial effect of herbal root canal irrigants (*Morinda atrifolia*, *Azara indica*, *Aloe vera*) with sodium hypochlorite- an in-vitro study. *J. of Int. Soc. Of Prev. & Comm. Dent.* May-June 2016; 6(9) : 196-99.

- **Monographs:** Nil
- **Chapters in Books:** Nil
- **Books edited:** Nil
- **Books with ISBN with details of publishers:** 04

List of Books (ISBN with details of publishers):

Arora A, Taneja S, Kumar M 2016; Lambart Academic Publishing Co. ISBN (978-3-659-92188-9).

Dudeja C, Taneja S, Bhalla A *Recreating tooth Biology: The Biomimetic way* lambart Academic Publishing. ISBN (978-3-659-88984-4).

Nagpal M, Taneja S, Dudeja C. *Redesigning smile: concepts, concerns and management* Lambart Academic Publishing Co. ISBN (978-3-659-90182-9).

Bansal S, Taneja S, Malik S, *Nonsurgical management of periapical lesion.* Lambart Academic Publishing Co. ISBN (978-3-659-90386-1).

Numbers listed in International database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database- International Social Sciences Directory, EBSCO host, Medline, etc.)

All the publications are listed in International database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database- International Social Sciences Directory, EBSCO host, Medline, etc.)

Citation Index

Faculty	Citations since 2011	No. of Publications	Avg.	Range	Dept. Avg.
Dr.Sonali Taneja	134	30	4.5	0- 6	3.4
Dr.Mohit Kumar	42	07	06		
Dr.Pragya Kumar	23	08	2.8		
Dr.Himani Lau	5	09	1.6		
Dr.Shubhra Malik	06	02	3		
Dr.Nivedita Gulati	0	02	0		
Dr.Ajeet Bhalla	0	02	0		
Dr.Chetna Dudeja	01	03	0.3		
Dr.Saurabh	0	02	0		

SNIP

SJR

Impact factor- range/ average

H-Index

Faculty	H-Index
Dr.Sonali Taneja	07
Dr.Mohit Kumar	04
Dr.Pragya Kumar	03
Dr.Himani lau	02
Dr.Shubhra Malik	01
Dr.Nivedita Gulati	00
Dr.Ajeet Bhalla	00
Dr.Chetna Dudeja	01
Dr.Saurabh	00
Total	18

H-Index- 18

Range - 0-7

Average- $18/9 = 2.0$

Details of patents and income

generated Same as number 24

Dr. Sonali Taneja

Attended and chaired the keynote speaker session during 31st IACDE & IES National Conference 2016 held at Science City, Kolkata from 11th - 13th November 2016.

Attended and was keynote speaker for workshop on —Practice Management held on 26th-27th August 2016 at ITS Dental College, Muradnagar, Ghaziabad on —Posterior Composites: Journey towards long term predictability.

Attended second module of workshop on —Practice Management held on 28th-29th September 2016 at ITS Dental College, Muradnagar, Ghaziabad.

Attended workshop on —Teacher training Program by Dr.D.K. Srinivas and Dr.K. Pushpanjali held at ITS CDSR Ghaziabad on 15th -17th April 2016.

Attended CDE programme on —Tooth Reincarnation held at MAIDS on 9th April 2016.

Attended and Chaired Keynote speaker session at 17th IACDE & IES PG Convention held at People's Dental College, Bhopal from 1st-4th April 2016.

Attended and chaired a keynote speaker session during Indian Dental Student Conference (North zone) 2016 held at ITS-CDSR, Muradnagar on 15-16th March 2016.

Attended CDE programme on —The New Generation NiTi Endodontics held at Indian Habitat Centre, New Delhi on 9th Jan 2016.

Attended a Leadership programme held at ITS-CDSR, Muradnagar on 20th Jan 2016.

Attended the 30th IACDE & 23rd IES National Conference held at Hotel Radisson Blu, Amritsar from 27-29th Nov 2015 and also chaired the scientific keynote speaker session.

Attended and chaired the faculty scientific paper presentation and keynote speaker session at 28th ISDR conference held at ITS-CDSR, Muradnagar from 20-22nd Nov 2015.

Organizing chairperson at 16th IACDE & IES PG Convention hosted by the Department of Conservative Dentistry & Endodontics, ITS-CDSR, Muradnagar, Ghaziabad from 4th to 6th June 2015.

Attended lecture on —Management of oral cancer by Dr K V Arun Kumar, Professor, Subharti Dental College on 13th Feb, 2015 held at ITS-CDSR, Muradnagar.

Chaired two scientific speaker's session by keynote speaker and also got certificate of appreciation for her outstanding contribution as convenor in hospitality committee in workshop on —current Trends in Education & IQA on 20th December 2014.

Attended one day workshop on —current Trends in Education & IQA on 20th December 2014.

Attended lecture on —Dental Lasers & Minimally Invasive Endodontics at ESIC Dental college & Hospital, Rohini, Delhi on 19th Dec, 2014.

Attended and chaired one of the scientific sessions held at 29th IACDE and 22nd IES National Conference held on 5th, 6th & 7th December 2014 at B.M.Birla Auditorium, Jaipur.

Participated in CDE & Webinar on —Lasers in dentistry held on 20th November 2014 at Nagpur.

Attended a lecture by Mr. R.A.Yadav, Former Chairman, All India Council of Technical Education held at ITS-CDSR, Muradnagar on 8th Nov, 2014.

Attended the CDE programme and judged the inter college E-poster competition held at Subharti Dental college, Meerut on 28th Aug 2014.

Chaired a guest lecture by Dr Nausath Khan, titled Battle of Bugs and also judged the showcase of clinical excellence by the post graduate students 15th IACDE and IES national PG convention-PGCON held at SRM Kattankulathur Dental College, Chennai from 5th -8th June, 2014.

Attended the 15th IACDE and IES national PG convention-PGCON held at SRM Kattankulathur Dental College, Chennai from 5th -8th June, 2014.

Was the moderator in the panel discussion at International Conference of Dental specialities held at I.T.S-CDSR, Muradnagar, Ghaziabad on 9th -10th May, 2014 .

Attended International Conference of Dental specialities held at I.T.S-CDSR, Muradnagar, Ghaziabad on 9th -10th May, 2014.

Attended ENDOCON-2014 conference at BRS Dental College, Panchkulla, Chandigarh on 19th – 20th, April, 2014. She chaired a scientific speaker's session by keynote speaker.

Attended IDA Student's National Conference held at ITS-CDSR on 24th -25th Nov, 2013. Keynote speaker on the topic Endodontic success: The Pursuit of the potential at IDA Student's National Conference held at ITS-CDSR on 24th -25th Nov, 2013.

Attended & chaired a scientific session at 28th IACDE & 26th IES National Conference held on Hyderabad from 14th -17th Nov, 2013.

Attended the 26th Annual Conference of Indian Society for Dental Research held at AIIMS/Indian Habitat Centre, Delhi from 3rd -6th Oct, 2013.

Attended and presented paper on the topic—Tooth Resorption in CDE programe —Mentor meets Mentored held at AIIMS New Delhi in 31st March 2013.

Attended the CDE course on —BIOMECHANICS SIMPLIFIED held at I.T.S Centre for Dental Studies & Research, Ghaziabad, U.P on 24th Sept, 2013.

Attended hands-on course on —Zygomatic Implants-Surgical and Prosthetic Concepts held at I.T.S Centre for dental Studies & Research, Ghaziabad, U.P & endorsed by Association of Oral & Maxillofacial Surgeons on 11th & 12th August, 2013.

Attended a CDE program on —Advanced Endodontics lecture, A.C.E.D held at Cannaught Place, Delhi in association with Micro-Mega, France on 24th August 2013.

Attended a CDE workshop on Multispecialty Dentistry – The wayforward held at AIIMS on 21st April 2013.

Attended 12th ISP PG Convention held at ITS-CDSR, Greater Noida on 1st -3rd March, 2013.

Attended lecture on —Lasers & Ultrasonics in Endodontics with Magnification by Dr. Vivek Hedge, held at ITS-CDSR, Greater Noida on 24th Jan, 2013.

Attended lecture on ‘Smile in an Hour’ by Dr. Mario Besek and Dr. Rajiv Verma held at New Delhi on 17th Jan 2013.

Attended the —26th PFA-Colgate CDE programme organized by Pierre Fauchard Academy at I.T.S.-CDSR Muradnagar on 15th December 2012.

Dr. Mohit Kumar

Attended and Chaired scientific paper presentation session during 31st IACDE & IES National Conference 2016 held at Science City, Kolkata from 11th - 13th November 2016.

Attended workshop on —Practice Management held on 26th -27th August 2016 at ITS Dental College, Muradnagar, Ghaziabad held on 28th-29th September 2016 at ITS Dental College, Muradnagar, Ghaziabad .

Attended workshop on —Teacher training Program by Dr.D.K. Srinivas and Dr.K. Pushpanjali held at ITS CDSR ,Ghaziabad on 1^{5th} -1^{7th} April 2016.

Attended Indian Dental Student Conference (North zone) 2016 held at ITS-CDSR, Muradnagar on 15-16th March 2016.

Attended a Leadership programme held at ITS-CDSR, Muradnagar on 20th Jan 2016.

Attended the 30th IACDE & 23rd IES National Conference held at Hotel Radisson Blu, Amritsar from 27-29th Nov 2015 and also chaired the scientific paper presentation session.

Attended and chaired the student scientific paper presentation session as well as keynote speaker session at 28th ISDR conference held at ITS-CDSR, Muradnagar from 20-22nd Nov 2015 and was part of the organizing committee and was the co-convenor for venue committee.

Was the organizing secretary, at 16th IACDE & IES PG Convention was hosted by the Department of Conservative Dentistry & Endodontics, ITS-CDSR, Muradnagar, Ghaziabad from 4th to 6th June 2015.

Attended lecture on —Management of oral cancer by Dr K V Arun Kumar, Professor, Subharti Dental College on 13th Feb, 2015 held at ITS-CDSR, Muradnagar.

Attended one day workshop on —current Trends in Education & IQA on 20th December 2014.

Attended and chaired one of the scientific sessions held at 29th IACDE and 22nd IES National Conference held on 5th, 6th & 7th December 2014 at B.M.Birla Auditorium, Jaipur.

Participated in CDE & Webinar on —Lasers in dentistry held on 20th November 2014 at Nagpur.

Attended a lecture by Mr. R.A.Yadav, Former Chairman, All India Council of Technical Education held at ITS-CDSR, Muradnagar on 8th Nov, 2014.

Attended workshop on bioethics in clinical research organized by I.T.S institutional ethics committee in association with society for promotion of health environmental sciences held at I.T.S Muradnagar on 1st Sept 2014.

Attended and chaired one of the scientific sessions held at 15th IACDE and IES national PG convention-PGCON held at SRM Kattankulathur Dental College, Chennai from 5th -8th June, 2014.

Presented a poster on —Magnification at International Conference of Dental specialities on 9th -10th May, 2014 held at I.T.S-CDSR, Muradnagar, Ghaziabad.

Member in the scientific poster committee in International Conference of Dental specialities held at I.T.S-CDSR, Muradnagar, Ghaziabad on 9th -10th May, 2014.

Attended International Conference of Dental specialities held at I.T.S-CDSR, Muradnagar, Ghaziabad on 9th -10th May, 2014.

Attended a lecture on —Endodontic Revolution by Dr Mohammad Hammo held at Indian Habitat Centre, Delhi on 4th May 2014.

Attended IDA Student's National Conference held at ITS-CDSR on 24th -25th Nov, 2013.

Attended the CDE course on —BIOMECHANICS SIMPLIFIED held at I.T.S Centre for dental Studies & Research, Ghaziabad, U.P on 24th Sept, 2013.

Attended hands-on course on —Zygomatic Implants-Surgical and Prosthetic Concepts held at I.T.S Centre for dental Studies & Research, Ghaziabad, U.P & endorsed by Association of Oral & Maxillofacial Surgeons on 11th & 12th August, 2013.

Attended lecture on 'Smile in an Hour' by Dr. Mario Besek and Dr. Rajiv Verma held at New Delhi on 17th Jan 2013.

Attended the —26th PFA-Colgate CDE programme" organized by Pierre Fauchard Academy at I.T.S.-CDSR Muradnagar on 15th December 2012.

Dr.Pragya Kumar

Attended Indian Dental Student Conference (North zone) 2016 held at ITS-CDSR, Muradnagar on 15-16th March 2016.

Attended workshop on —Practice Management held on 26th -27th August 2016 at ITS Dental College, Muradnagar, Ghaziabad

Attended second module of workshop on —Practice Management held on 28th -29th September 2016 at ITS Dental College, Muradnagar, Ghaziabad .

Attended and chaired the student scientific paper presentation session and also keynote speaker session at 28th ISDR conference held at ITS-CDSR, Muradnagar from 20-22nd Nov 2015 and was a part of the organizing committee and was part of the pre-conference committee.

Was part of organizing committee as treasurer and convener for registration for the conference at 16th IACDE & IES PG Convention was hosted by the Department of Conservative Dentistry & Endodontics, ITS-CDSR, Muradnagar, Ghaziabad from 4th to 6th June 2015.

Attended lecture on —Management of oral cancer by Dr K V Arun Kumar, Professor, Subharti Dental College on 13th Feb, 2015 held at ITS-CDSR, Muradnagar.

Attended one day workshop on —current Trends in Education & IQA on 20th December 2014.

Participated in CDE & Webinar on —Lasers in dentistry held on 20th November 2014 at Nagpur.

Attended a lecture by Mr. R.A.Yadav, Former Chairman, All India Council of Technical Education held at ITS-CDSR, Muradnagar on 8th Nov, 2014.

Attended workshop on bioethics in clinical research organized by I.T.S institutional ethics committee in association with society for promotion of health environmental sciences held at I.T.S Muradnagar on 1st Sept 2014.

Attended International Conference of Dental specialities held at I.T.S-CDSR, Muradnagar, Ghaziabad on 9th -10th May, 2014.

Attended IDA Student's National Conference held at ITS-CDSR on 24th -25th Nov, 2013.

Attended the CDE course on —BIOMECHANICS SIMPLIFIED held at I.T.S Centre for dental Studies & Research, Ghaziabad, U.P on 24th Sept, 2013.

Attended hands-on course on —Zygomatic Implants-Surgical and Prosthetic Concepts held at I.T.S Centre for dental Studies & Research, Ghaziabad, U.P & endorsed by Association of Oral & Maxillofacial Surgeons on 11th & 12th August, 2013.

Attended lecture on 'Smile in an Hour' by Dr. Mario Besek and Dr. Rajiv Verma held at New Delhi on 17th Jan 2013.

Attended the —26th PFA-Colgate CDE programme organized by Pierre Fauchard Academy at I.T.S.-CDSR Muradnagar on 15th December 2012.

Dr.Himani Lau

Attended and was coordinators for sports at Indian Dental Student Conference (North zone) 2016 held at ITS-CDSR, Muradnagar on 15-16th March 2016.

Attended workshop on —Practice Management held on 26th-27th August 2016 at ITS Dental College, Muradnagar, Ghaziabad

Attended and was part of the souvenir committee at 28th ISDR conference held at ITS-CDSR, Muradnagar from 20-22nd Nov 2015.

Attended and was co-convener of registration at 16th IACDE & IES PG Convention was hosted by the Department of Conservative Dentistry & Endodontics, ITS-CDSR, Muradnagar, Ghaziabad from 4th to 6th June 2015.

Dr. Shubhra Malik

Attended and Chaired scientific poster presentation session during Indian Dental Student Conference (North zone) 2016 held at ITS-CDSR, Muradnagar on 15-16th March 2016.

Attended workshop on —Practice Management held on 26th-27th August 2016 at ITS Dental College, Muradnagar, Ghaziabad

Attended second module of workshop on —Practice Management held on 28th-29th September 2016 at ITS Dental College, Muradnagar, Ghaziabad.

Attended and was part of organizing committee in 28th ISDR conference held at ITS-CDSR, Muradnagar from 20-22nd Nov 2015.

Attended workshop on —Teacher training Program held at ITS CDSR, Ghaziabad in October 2015.

Attended, was part of organizing committee in 16th IACDE & IES PG Convention held at ITS-CDSR, Muradnagar, Ghaziabad from 4th to 6th June 2015.

Attended lecture on —Management of oral cancer by Dr K V Arun Kumar, Professor, Subharti Dental College on 13th Feb, 2015 held at ITS-CDSR, Muradnagar.

Presented poster on —Endodontics revisited: smaller pieces of a bigger picture at International Conference of Dental specialities on 9th-10th May, 2014 held at I.T.S-CDSR, Muradnagar, Ghaziabad.

Attended International Conference of Dental specialities held at I.T.S-CDSR, Muradnagar, Ghaziabad on 9th-10th May, 2014.

Moderator in Faculty CPC (Clinical Pathological Conference) on —An insight into irrigants & delivery systems on 30th, Oct 2013

Attended IDA Student's National Conference held at ITS-CDSR on 24th-25th Nov, 2013.

Attended the CDE course on —BIOMECHANICS SIMPLIFIED held at I.T.S Centre for dental Studies & Research, Ghaziabad, U.P on 24th Sept, 2013.

Attended hands-on course on —Zygomatic Implants-Surgical and Prosthetic Concepts held at I.T.S Centre for dental Studies & Research, Ghaziabad, U.P & endorsed by Association of Oral & Maxillofacial Surgeons on 11th & 12th August, 2013.

Attended the —26th PFA-Colgate CDE program organized by Pierre Fauchard Academy at I.T.S.-CDSR Muradnagar on 15th December 2012.

Dr. Nivedita Gulati

Attended Indian Dental Student Conference (North zone) 2016 held at ITS-CDSR, Muradnagar on 15-16th March 2016.

Attended workshop on —Practice Management held on 26th-27th August 2016 at ITS Dental College, Muradnagar, Ghaziabad

Attended second module of workshop on —Practice Management held on 28th-29th September 2016 at ITS Dental College, Muradnagar, Ghaziabad .

Attended and chaired the session for scientific poster presentation in 28th ISDR conference held at ITS-CDSR, Muradnagar from 20-22nd Nov 2015.

Attended was part of organizing committees as a convener for website at 16th IACDE & IES PG Convention was hosted by the Department of Conservative Dentistry & Endodontics, ITS-CDSR, Muradnagar, Ghaziabad from 4th to 6th June 2015.

Attended lecture on —Management of oral cancer by Dr K V Arun Kumar, Professor, Subharti Dental College on 13th Feb, 2015 held at ITS-CDSR, Muradnagar.

Attended one day workshop on —current Trends in Education & IQA on 20th December 2014.

Participated in CDE & Webinar on —Lasers in dentistry held on 20th November 2014 at Nagpur.

Attended a lecture by Mr. R.A.Yadav, Former Chairman, All India Council of Technical Education held at ITS-CDSR, Muradnagar on 8th Nov, 2014.

Presented a poster on —Magnification at International Conference of Dental specialities on 9th -10th May, 2014 held at I.T.S-CDSR, Muradnagar, Ghaziabad.

Attended International Conference of Dental specialities held at I.T.S-CDSR, Muradnagar, Ghaziabad on 9th -10th May, 2014.

Attended IDA Student's National Conference held at ITS-CDSR on 24th -25th Nov, 2013.

Attended the CDE course on —BIOMECHANICS SIMPLIFIED held at I.T.S Centre for dental Studies & Research, Ghaziabad, U.P on 24th Sept, 2013.

Attended hands-on course on —Zygomatic Implants-Surgical and Prosthetic Concepts held at I.T.S Centre for dental Studies & Research, Ghaziabad, U.P & endorsed by Association of Oral & Maxillofacial Surgeons on 11th & 12th August 2013.

Attended lecture on —Lasers & Ultrasonics in Endodontics with Magnification by Dr. Vivek Hedge, held at ITS-CDSR, Greater Noida on 24th Jan, 2013.

Attended lecture on _Smile in an Hour' by Dr. Mario Besek and Dr. Rajiv Verma held at New Delhi on 17th Jan 2013.

Attended the —26th PFA-Colgate CDE programme organized by Pierre Fauchard Academy at I.T.S.-CDSR Muradnagar on 15th December 2012.

Dr.Ajeet Singh Bhalla

Attended and chaired scientific poster presentation session during Indian Dental Student Conference (North zone) 2016 held at ITS-CDSR, Muradnagar on 15-16th March 2016.

Attended workshop on —Practice Management held on 26th -27th August 2016 at ITS Dental College, Muradnagar, Ghaziabad

Attended second module of workshop on —Practice Management held on 28th -29th September 2016 at ITS Dental College, Muradnagar, Ghaziabad .

Given lecture to CSA on the topic *Four Handed Dentistry* on 12th April 2016.
Attended Indian Dental Student Conference (North zone) 2016 held at ITS-CDSR, Muradnagar on 15-16th March 2016.
Attended and chaired the session for scientific poster presentation in 28th ISDR conference held at ITS-CDSR, Muradnagar from 20-22nd Nov 2015.
Attended workshop on —Teacher training Program held at ITS CDSR ,Ghaziabad in October 2015.
Attended and was part of organizing committee as convener for Transport and accomodation in 16th IACDE & IES PG Convention was hosted by the Department of Conservative Dentistry & Endodontics, ITS-CDSR, Muradnagar, Ghaziabad from 4th to 6th June 2015.
Attended lecture on —Management of oral cancer by Dr K V Arun Kumar, Professor, Subharti Dental College on 13th Feb, 2015 held at ITS-CDSR, Muradnagar.
Attended one day workshop on —current Trends in Education & IQA on 20th December 2014.
Participated in CDE & Webinar on —Lasers in dentistry held on 20th November 2014 at Nagpur.

Dr.Chetna Dudeja

Attended and chaired scientific poster presentation session at Indian Dental Student Conference (North zone) 2016 held at ITS-CDSR, Muradnagar on 15-16th March 2016.
Attended workshop on —Practice Management held on 26th-27th August 2016 at ITS Dental College, Muradnagar, Ghaziabad
Attended second module of workshop on —Practice Management held on 28th-29th September 2016 ITS Dental College, Muradnagar, Ghaziabad .
Attended Indian Dental Student Conference (North zone) 2016 held at ITS-CDSR, Muradnagar on 15-16th March 2016.
Attended and chaired the session for scientific poster presentation in 28th ISDR conference held at ITS-CDSR, Muradnagar from 20-22nd Nov 2015.
Attended and was the convener of inauguration at 16th IACDE & IES PG Convention was hosted by the Department of Conservative Dentistry & Endodontics, ITS-CDSR, Muradnagar, Ghaziabad from 4th to 6th June 2015.

Dr.Saurabh Kalkhande

Attended workshop on —Practice Management held on 26th-27th August 2016 at ITS Dental College, Muradnagar, Ghaziabad
Attended second module of workshop on —Practice Management held on 28th-29th September 2016 ITS Dental College, Muradnagar, Ghaziabad .

Student projects

Percentage of students who have taken up in-house projects including inter-departmental projects -

100 % - All post-graduate students undertake in-house projects which may involve other departments. The in-house projects may be divided into thesis and short studies as listed below.

Research Conducted in-house including inter-departmental research

List of Thesis

Students Name	Title of Thesis	Guide	Co-guide
Dr Abhishek Shukla	Comparative evaluation of apical sealing ability of three resin-based root canal sealers-An in vitro study.	Dr. Ruchika	Dr. Pragya
Dr Anshul Arora	Comparative evaluation of shaping ability of different rotary NiTi instruments in curved canals using cone beam computed tomography.	Dr. Sonali	Dr.Mohit
Dr Komal Malhotra	Comparison of efficacy of hand and rotary instrumentation for removing a resin- based obturating material (Endorez) in curved root canals during retreatment-An in vitro study.	Dr. Sonali	Dr. Pragya
Dr Meenu Saini	Comparative evaluation of the efficacy of three different irrigation devices in removal of debris from root canal at two different levels- An in vitro study.	Dr. Manju	Dr. Sonali
Dr Neelu Phogat	Comparison of influence of dual-cure composite and resin-modified glass ionomer cement when used as dentin substitute on the microleakage of class II open-sandwich restorations – An in vitro study.	Dr. Mohit	Dr. Sonali
Dr Surabhi Anand	Effect of accelerants on the immediate and delayed sealing ability of mineral trioxide aggregate when used as an apical plug – An in vitro study.	Dr. Sonali	Dr. Manju
Dr Avnish Kumar	Comparative evaluation of the effect of 2% chlorhexidine surface treatment on microtensile bond strength of self-etch and total -etch adhesives,with and without thermocycling- An in vitro study	Dr. Sonali	Dr. Pragya
Dr Chetna Dudeja	An in vitro comparison of effect on fracture strength, pH and calcium ion diffusion from various Biomimetic materials when used for repair of simulated root resorption defects.	Dr. Sonali	Dr. Manju

Dr Chhavi Arora	Comparative evaluation of apical leakage after post space preparation in root canals obturated using three resin-based root canal sealers - An in vitro study .	Dr. Manju	Dr. Sonali
Dr Madhureema Chopra	Comparative evaluation of sealing ability of four different root canal sealers – An in vitro study.	Dr. Mohit	Dr. Sonali
Dr Neha Mishra	The effect of cusp capping with composite resin on fracture resistance of premolars with prepared endodontic access cavities - An in vitro study.	Dr. Sonali	Dr. Pragma
Dr Richa Sahu	Evaluation of fracture resistance of three different prefabricated posts in endodontically treated teeth -An invitro study.	Dr. Ruchika	Dr. Pragma
Dr Devika Duggal	Comparative evaluation of apical extrusion of Enterococcusfaecalis after instrumentation with hand and three different Ni-Ti rotary instruments - An in vitro study.	Dr. Pragma	Dr. RK Mahahjan
Dr Hulas Gogia	Effect of different antioxidants on reversing compromised resin bond strength after enamel bleaching: An in vitro study.	Dr. Sonali	Dr.Mohit Dr. Sanjay Yadav
Dr Kapil Mohan Salwan	To evaluate and compare the antimicrobial efficacy of sodium hypochlorite, EDTA, ozonated water and peracetic acid against Enterococcus faecalis at different intervals of time – An in vitro study.	Dr. Mohit	Dr. Pragma
Dr Rashi Bansal	Effect of ceramic type, thickness and time of irradiation on degree of polymerization of dual-cure resin cement.	Dr. Sonali	Dr. Manju
Dr Ruby	Effect of three different irrigating solutions on removal of canal wall debris and smear layer : A SEM study.	Dr.Mohit	Dr.Sonali
Dr Shiana Bansal	Comparison of push out bond strength of fibre post luted with two different resin cements in different regions of post space: An in vitro study.	Dr. Manju	Dr. Sanjay Yadav
Dr. Abhimanyu Chaturvedi	Comparative evaluation of the reduction of Enterococcus faecalis count after instrumentation with hand and three different Ni-Ti rotary instruments- An in vitro study.	Dr. Pragma	Dr.Manju Dr.Swati Gupta
Dr. Diksha Verma	Comparative evaluation of efficacy of different irrigation regimes on the push out bond strength of various resin based root canal sealers - An in vitro study.	Dr. Sonali	Dr. Manju
Dr. Kunal Tomer	Efficacy of two retreatment files with and without supplemental instrumentation in removal of different root canal filling materials - An in vitro study.	Dr. Sonali	Dr. Manju

Dr. Monisha Gupta	To evaluate the effect of remineralization on the micro- hardness of bleached enamel - An in vitro study.	Dr. Mohit	Dr. Pragma
Dr. Parul Mour	To evaluate and compare the effect of different light curing modes and the use of different liners on cuspal deflection in premolar teeth restored with bulk filled or incrementally filled composite measured at different time intervals- An in vitro study.	Dr. Sonali	Dr. Mohit
Dr. Priya Saini	Evaluation of antimicrobial efficacy of root canal sealers against endodontic pathogens - An in vitro study.	Dr. Mohit	Dr. Vandana
Dr. Anjum Chaudhary	To evaluate the effect of calcium hydroxide and endodontic irrigants on the push-out bond strength of fiber post – an in vitro study.	Dr. Mohit	Dr. Manju
Dr. Charu Gupta	To evaluate and compare the effects of various bleaching agents on the marginal seal of composite restorations bonded with self etch and total etch adhesive systems.	Dr. Mohit	Dr. Pragma
Dr. Divya Jain	Effects Of Different Bleaching And Remineralizing Agentson Enamel Microhardness – An In Vitro Study.	Dr. Manju	Dr. Pragma
Dr. Hanish Chaudhary	To evaluate and compare the effect of different beverages on surface hardness of different restorative materials.	Dr. Pragma	Dr. Rishirath
Dr. Megha Nagpal	To evaluate the effect of natural vs synthetic MMP silencers in preservation of dentin collagen and long term bond strength of total etch adhesive – an in vitro study.	Dr. Sonali	Dr. Mohit Prof. Tej P. Singh
Dr. Shreya Bansal	To compare the shaping ability of rotary systems of varying metallurgy in curved canals and its analysis using cone beam computed tomography – an in vitro study.	Dr. Sonali	Dr. Manju Dr. Manu
Dr. Anisha Pathak	Effect of gutta percha solvent on push-out bond strength of three resin based root canal sealers : An in vitro study.	Dr. Mohit	Dr. Shubhra
Dr. Preeti Thakur	Comparative evaluation of shear bond strength of self-etch and total etch adhesive system to caries affected dentinal surface after chemomechanical caries removal.	Dr. Mohit	Dr. Nivedita
Dr. Nitin Gupta	Effect of ferrule height, configuration, and post and core approaches on stress distribution and fracture resistance of endodontically treated teeth with flared root canal- Three dimensional finite element analysis.	Dr. Sonali	Dr. Nagesh
Dr. Rabab Khan	Comparative evaluation of push-out bond strength of various root-end filling materials- An in vitro study.	Dr. Pragma	Dr. Nivedita

Dr. Shruti Singh	Effect of final irrigant on depth of tubular penetration of resin based root canal sealers and bioceramic sealer : A confocal laser scanning microscopic study.	Dr. Sonali	Dr. Pragya
Dr. Swati Shukla	Effect of rotary Nickel-titanium single file system and rotary nickel titanium multiple file system on the apical extrusion of debris.	Dr. Pragya	Dr. Shubhra

List of Short Studies

Students Name	Title of short study	Guide	Co-Guide
Dr. Megha Nagpal	An in vitro microscopic surface structure and microhardness analysis of cementum of avulsed teeth after PDL removal with natural proteolytic enzymes.	Dr. Sonali	Dr. Mohit
Dr. Shreya Bansal	Effect of saliva and blood contamination on shear bond strength of 5 th , 7 th , and 8 th generation bonding agents- An in vitro study.	Dr. Sonali	Dr. Manju
Dr. Anjum Choudhary	Comparative evaluation of curing depth of bulk fill resin composites. An in-vitro study.	Dr. Mohit	Dr. Sonali
Dr. Charu Gupta	To evaluate the effect of different glide path preparation files on apical debris extrusion after instrumentation with protaper next file system.	Dr. Mohit	Dr. Sonali
Dr. Divya Jain	Antimicrobial efficacy of four intracanal medicaments on E. faecalis by using a direct contact test .an in vitro study.	Dr. Sonali	Dr. Manju
Dr. Hanish Choudhary	Atypical root canal morphology.	Dr. Pragya	Dr. Sonali
Dr. Abhimanyu Chaturvedi	Comparative evaluation of the effect of at home & in office bleaching on the microhardness of different composites - An in vitro study.	Dr. Pragya	Dr. Sonali
Dr. Priya Saini	Effect of intracanal medicaments on the push out bond strength of resin based sealer to root canal dentin.	Dr. Mohit	Dr. Sonali
Dr. Monisha Gupta Sharma	Effect of root canal curvature on the accuracy of electronic apex locators - an in vitro study.	Dr. Mohit	Dr. Sonali
Dr. Kunal Tomer	To evaluate & compare the effect of different post surface treatments on the push out bond strength of glass fiber post to root dentin: an in vitro study.	Dr. Sonali	Dr. Manju

Dr. Diksha Verma	Comparative efficacy of 3.6ml of 4% articaine as primary buccal infiltration and 1.8 ml of 2% lidocaine as IANB in mandibular molars with symptomatic irreversible pulpitis.	Dr. Sonali	Dr. Manju
Dr. Parul Mour	Effect of potential remineralising agent and antioxidants on colour stability of bleached tooth exposed to different staining solutions.	Dr. Sonali	Dr. Mohit
Dr. Hulas Gogia	Comparative evaluation of accuracy of three electronic apex locators in different simulated clinical conditions- An in vitro study.	Dr. Sonali	Dr. Mohit
Dr. Devika Duggal	Evaluation of antimicrobial efficiency of different root canal sealers against E.faecalis .	Dr. Pragya	Dr. Sonali
Dr. Ruby	Evaluation of sealing ability of Biodentin & retro grade filling material by using ultrasonic scaler .	Dr. Mohit	Dr. Sonali
Dr. Shiana	In vitro comparison of apical sealing ability of lateral compaction & single cone gutta-percha techniques using different sealers.	Dr. Manju	Dr. Sonali
Dr. Rashi Bansal	Comparative evaluation of remineralizing potential of different agents on artificially demineralized human enamel using laser fluorescence: an in vitro study.	Dr. Sonali	Dr. Manju

Percentage of students doing projects in collaboration with other universities/ industry/ institute-

16.7% students have additionally undertaken research projects in collaboration with other institutes

Research Conducted in-Collaboration with other universities/ industry/ institute

A. List of Thesis

Students Name	Title of Thesis	Other institution in-Collaboration	Guide	Co-Guide
Dr. Anshul Arora	Comparative evaluation of shaping ability of different rotary niti instruments in curved canals using cone beam computed tomography.	Mahajan Imaging (New Delhi)	Dr. Sonali	Dr. Mohit

Dr. Komal Malhotra	Comparison of efficacy of hand and rotary instrumentation for removing a resin-based obturating material (endorez) in curved root canals during retreatment-an in vitro study.	Mahajan Imaging (New Delhi)	Dr. Sonali	Dr. Pragya
Dr. Avnish Kumar	Comparative evaluation of the effect of 2% chlorhexidine surface treatment on microtensile bond strength of self-etch and total -etch adhesives,with and without thermocycling- an in vitro study.	ITS Greater Noida	Dr. Sonali	Dr. Pragya
Dr. Chetna Dudeja	An in vitro comparison of effect on fracture strength, ph and calcium ion diffusion from various biomimetic materials when used for repair of simulated root resorption defects.	National Physics Laboratory, New Delhi	Dr. Sonali	Dr. Manju
Dr. Neha Mishra	The effect of cusp capping with composite resin on fracture resistance of premolars with prepared endodontic access cavities - an in vitro study.	ITS Greater Noida	Dr. Sonali	Dr. Pragya
Dr. Devika Duggal	Comparative evaluation of apical extrusion of enterococcus faecalis after instrumentation with hand and three different niti rotary instruments - an in vitro study.	R.M.L Hospital New Delhi	Dr. Pragya	Dr. Rk Mahajan
Dr. Kapil Mohan Salwan	To evaluate and compare the antimicrobial efficacy of sodium hypochlorite, edta, ozonated water and peracetic acid against enterococcus faecalis at different intervals of time – an in vitro study.	Spectro Analytical Lab	Dr. Mohit	Dr. Pragya
Dr. Ruby	Effect of three different irrigating solutions on removal of canal wall debris and smear layer : a SEM study.	JNU ,New Delhi	Dr. Mohit	Dr. Sonali

List Of Short Studies

Students Name	Title Of Short Study	Other Institution In-Collaboration	Guide	Co-Guide
Dr. Anshul Arora	Comparative evaluation of shaping ability of different rotary NiTi instruments in curved canals using cone beam computed tomography	IIT Delhi	Dr.Sonali	Dr.Mohit
Dr. Devika Duggal	Evaluation of antimicrobial efficiency of different root canal sealers against E. faecalis	RML Hospital New Delhi	Dr.Pragya	Dr.Sonali

Awards / recognitions received at the national and international level by**FACULTY**

Awarded Fellowship of the Pierre Fauchard Academy at —26th PFA - Colgate CDE Programmell organized by Pierre Fauchard Academy at I.T.S. –CDSR Muradnagar on 15th December 2012.

Keynote speaker for workshop on —Practice Managementll held on 26th-27th August 2016 at ITS Dental College, Muradnagar, Ghaziabad on —Posterior Composites: Journey towards long term predictabilityll .

STUDENTS

Dr Kunal , Dr Parul Mour and Dr Abhimanyu Chaturvedi(Batch-2013-16) won 3rd prize in poster presentation on the topic —Newer horizons for tooth tissue repair – reality or virtualityll at ENDOCON-2014 conference at BRS Dental College, Panchkulla, Chandigarh on 19th – 20th, April 2014.

Dr Rashi Bansal (Batch 2012-15) won 1st prize in paper presentation on the topicll Comparative Evaluation Of Remineralizing Potential Of Different Agents On Artificially Demineralized Human Enamel Using Laser Fluorescence: An In Vitro Studyll at 15th IACDE and IES national PG convention-PGCON held at SRM Kattankulathur Dental College, Chennai from 5th -8th June, 2014.

Dr. Megha Nagpal and Dr. Anjum Chaudhary (Batch 2014-17) won 1st prize in poster presentation on the topic —digital smile designllat CDE programme held at Subharti Dental College, Meerut on 28th Aug 2014

Dr.Diksha Verma (Batch 2013-14) won 1st prize in paper presentation on the topicll Endodontic management of internal root resorption in mandibular molar: A case reportll at 28th ISDR conference held at ITS-CDSR, Muradnagar from 20-22 Nov 2015.

Dr. Megha Nagpal (Batch-2014-17) won 1st prize in case report presentation on the topic Endodontic management of bilateral

maxillary molars with diverse root canal configuration at 28th ISDR conference held at ITS-CDSR, Muradnagar from 20-22 Nov 2015.

Dr. Charu Gupta (Batch 2014-17) won 1st prize in case report presentation on the topic C-shaped canal. A case report at 28th ISDR conference held at ITS-CDSR, Muradnagar from 20-22 Nov 2015.

Dr. Divya Jain (Batch 2014-17) won 1st prize in case report on the topic Bifid Premolar- A case report at 28th ISDR conference held at ITS-CDSR, Muradnagar from 20-22 Nov 2015.

Dr. Parul Mour (Batch 2013-16) won 2nd prize in case report on the topic Endodontic management of six canals in mandibular first molar: A case report at 28th ISDR conference held at ITS-CDSR, Muradnagar from 20-22 Nov 2015.

- 9) Dr. Shreya Bansal (Batch 2014-17) won 2nd prize in case report on the topic Non surgical management of periapical lesions-A review article. at 28th ISDR conference held at ITS-CDSR, Muradnagar from 20-22 Nov 2015.

Dr. Megha Nagpal (Batch 2014-17) won Gold medal in Debate competition at 30th IACDE & 23rd IES National Conference held at Amritsar from 27-29th Nov 2015.

Dr. Diksha Verma (Batch 2013-16) won Bronze medal in paper presentation on the topic Comparative efficacy of 3.6ml of 4% articaine as primary buccal infiltration and 1.8 ml of 2% lidocaine as IANB in mandibular molars with symptomatic irreversible pulpitis at 30th IACDE & 23rd IES National Conference held at Amritsar from 27-29th Nov 2015.

Dr. Parul Mour (Batch 2013-16) won the best case report for the month of July 2015 by IACDE on the topic Endodontic management of six canals in mandibular first molar: A case report displayed at IACDE website.

Dr. Diksha Verma (Batch 2013-16) won the best case report for the month of January 2015 by IACDE on the topic Endodontic management of internal root resorption in mandibular molar: A case report displayed at IACDE website.

Dr. Megha Nagpal (Batch 2014-17) won the best case report for the month of October 2015 by IACDE on the topic Endodontic management of bilateral maxillary molars with diverse root canal configuration displayed at IACDE website.

National/international recognition of faculty from reputed professional bodies is as follows:

S.No.	Faculty Names	National/International Recognition
1	Dr. Sonali Taneja	Pierre Fauchard Academy international

Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any

S. No	Title	Date	Source of Funding	Attended By
1.	16 th IACDE and IES PG Student Convention	4 th -6 th June 2015	Delegate registration Fee Sponsorship Trade Exhibition	1100 (Delegates + Students)
2.	Workshop on Practice Management	Module 1: 26 th - 27 August 2016, Module 2: 28 th - 29 th September 2016	Delegate registration Fee	154 participants(PG Students,interns and final year students)

A Code of ethics for research followed by the departments

All the research projects of the department are sent to the Institutional Research Committee to check for the feasibility and then forwarded to the Institutional Ethical Committee for approval. The Institutional Ethical Committee is recognized by the Government of India and follows the ICMR Ethical Guidelines for Biomedical Research on Human participants, 2006 and the Helsinki Declaration Human Medical Experimentation Ethics Document, 2008

Student profile program-wise

Name of the Program	Application received	Selected		Pass percentage %	
		Male	Female	Male	Female
BDS					
2012	350	20	77	95%	96.7%
2013	263	26	74	88.46%	97.36%
2014	249	26	74	100%	98.64%
2015	292	23	77	Ongoing batch	
2016	263	14	47	Ongoing batch	
MDS					
2012		02	04	100%	100%
2013	152	02	04	100%	100%
2014	132	01	05	Ongoing batch	
2015	109	01	05	Ongoing batch	
2016	136	00	06	Ongoing batch	

Diversity of students

Name of the Program	% of students from the same University	% of students from other University within the State	% of students From University outside the State	% of Students from other Countries
MDS 2012	33.3%	33.3%	33.3%	Nil
2013	16.7%	66.6%	16.7%	Nil
2014	66.6%	16.7%	16.7%	Nil
2015	16.7%	33.3%	50%	Nil
2016	16.7%	0%	83.3%	Nil

How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise

Dr.Varun Dhingra cleared National Board Exam of United States in 2015

Dr.Anshul Arora has cleared Defence service exam in 2013

Student progression

Student progression	Percentage enrolled
UG TO PG	26.7%
PG TO M.PHIL, DM/	Nil
PG TO Ph.D	Nil
Ph.d to Post Doctoral	Nil
Employed	
❖ Campus selection	10%
❖ Other than campus recruitment	25%
Entrepreneurs	65%

36. Diversity of staff

Percentage of faculty who are graduates	
Of the same university	22%
from other universities within the State	44%
from universities from other states	34%
from universities outside the country	0%

Number of faculty who were awarded M.Phil., DM, M Ch, Ph.D., D.Sc. and D.Litt. during the assessment period

Nil

Present details of departmental infrastructural facilities with regard to

Library :

The department is equipped with a library which has 121 books of 62 titles and also stocks copies of all the thesis and library dissertations from previous years for ready reference.

Internet facilities for staff and students

Department is well connected with campus WiFi of 20 MBPS speed for internet access to staff as well as students. The students also have access to WiFi in their hostels after college hours.

Total number of class rooms

There are four classrooms in the college as per DCI requirement which are used by all the departments for conducting lectures for BDS students. In addition, the department is also equipped with a seminar room for post-graduate students.

Class rooms with ICT facility and „smart“ class rooms

All the classrooms are smart classrooms and have ICT facility. Two classrooms are equipped with smart boards.

Students“ laboratories

The department has a provision of two pre-clinical laboratories, one for BDS students and one for MDS students. In addition there is a ceramic lab for fabrication of metal and ceramic prosthesis.

Research laboratories

In- house state-of -the-art research centre is available the facilities of which are being utilized by the department. The research centre has facilities for conducting research in the fields of genomics, microbiology, metallurgy, biochemistry and radiology (CBCT).

List of doctoral, post-doctoral students and Research Associates

- | | |
|-------------------------------------------|-----|
| a) from the host institution/university : | Nil |
| b) from other institutions/universities : | Nil |

Number of post graduate students getting financial assistance from the university

Nil

Was any need assessment exercise undertaken before the development of new program (s)? If so, highlight the methodology

See number 42.

Does the department obtain feedback from**faculty on curriculum as well as teaching-learning-evaluation?
If yes, how does the department utilize the feedback?**

Regular feedback is obtained from faculty regarding curriculum and teaching methodology in monthly department meetings. Incorporation of newer topics/patterns in the curriculum and ways to improve the teaching methods are discussed.

It was noticed by the faculty that the clinical part of few lecture topics was not clearly understood by the undergraduate students. Hence, videos were incorporated in most of the lecture topics to ensure better understanding. All topics pertaining to clinical exercises are discussed with respective mentors to reinforce basic knowledge and understanding.

As per the post graduate curriculum, it was noticed that crowns of patients were not delivered on time hence, it was decided that all clinical cases along with special cases done by post graduates will be evaluated fortnightly.

Also, it was noticed that the waiting time for new patients in OPD was more. Hence, a department OPD roaster was made in which two post graduate students of second and third year, respectively were assigned new patients. This allowed all the new OPD cases to be attended and treated the same day thereby reducing the patient's waiting time.

It was observed that the students were not in habit of giving extempore so after their seminar presentation, pedagogy is given by respective student to develop the habit of extempore speaking. In addition, regular discussions are held for questions asked during seminar presentations to reinforce important points of the topic.

As per feedback from the faculty, days were fixed for visualization and treatment of cases for post graduates under Operating Microscope.

Also, for post graduate students, monthly quota for single sitting root canals was decided and roaster was made accordingly.

**students on staff, curriculum and teaching-learning-evaluation
and how does the department utilize the feedback?**

The department collects feedback from the students on Faculty, Curriculum and Teaching learning evaluation and support staff and these are assessed periodically. Areas of improvement are shortlisted and rectified in consultation with the faculty. Mentors are allotted to each student who are always available to discuss the problem areas of student.

From the feedback of post graduate students, weekly mock test for exam going batch were started which included all the theory topics on regular basis. Also, mock practical exams for exam going exercises were conducted on monthly basis.

alumni and employers on the programs offered and how does the department utilize the feedback?

Yes, there is a formal system of taking feedback from alumni at the annual alumini meet. The Head of Department conducts a verbal meeting with the BDS and MDS alumini students asking them about their experiences and also asking constructive ideas to improve and strengthen teaching methodology as well as infrastructure in the department

As per the feedback from alumini, it was ensured that all pre-clinical Conservative & Endodontic exercises are completed in BDS second and third year for indepth understanding of clinical exercises.

List the distinguished alumni of the department (maximum 10)

- 1) Dr. Varun Dhingra is persuing DDS in United States of America in 2015.
- 2) Dr. Anshul Arora has been selected in Army Dental Corps in 2013
- 3) Dr. Avnish Singh has joined as a Senior Endodontic Consultant in Clove Dental in 2014.
- 4) Dr. Hulas Gogia selected as a Dental Surgeon in ESIC, Okhla in 2016
- 5) Dr. Madhurima Chopra has joined as a Senior Endodontic Consultant in Axis Dental in 2014.
- 6) Dr. Kunal Tomar has been selected as a Dental Surgeon in MCD, New Delhi in 2016.

Give details of student enrichment programs (special lectures / workshops seminar) involving external experts.

- 1) A workshop on Research methodology and evidence based practice was conducted on 17 April 2012 by Dr. S. Narasimman, Professor in Father Muller Medical College, Mangalore.
- 2) A scientific lecture was organized on 09 Jan 2012 on multi-fov Dental and Maxillofacial CBCT by Dr. Sharad Sahai, a renowned Oral and Maxillofacial Radiologist.
- 3) A symposium cum workshop was organized on pharmacovigilance and —Basic Life Support on 29th May 2012 by Professor H.M.S. Rehan, Lady Harding Medical College.
- 4) 10th National Conference of Indian Association of Forensic Odontology..
—Molecular Insights into Forensic Odontology was organized on the 7th, 8th and 9th Sept 2012.
A CDE Program on —Full Mouth Rehabilitation as part of 26th PFA convocation & award ceremony was organized by Dr Veena Jain (HOD Dept. of Prosthodontics CDER, AIIMS).
15th Indian Prosthodontic Society's Post Graduate Student National Convention was held from 14th – 16th June, 2013.

An International Conference was organized on 9th and 10th May, 2014 in association with International Association of General Dentistry.

A workshop was organized on —Bioethics In Clinical Research on 1st September, 2014 by Dr. Sachin Manocha (Asth. Prof. Vardhman Mahavir Medical College, Safdarjung Hospital), Dr. V. Kalaiselvan (Principal Scientific Officer, Indian Pharmacopoeia Commission) and Dr. Prem Chopra Renowned Pathologist Ex. AIIMS, Sr. Consultant Sir Ganga Ram Hospital.

Lecture on the importance of —Periodontal Health and Maintenance AAS conducted on 12th of January by Dr. Ajay Kakkar, an alumnus of Nair Dental College and Hospital is a specialist Periodontist and Oral Implantologist.

On 27th March 2015, a CDE was conducted jointly by the Department of Oral & Maxillofacial Surgery & the Mirell Dental Implant Systems on the topic —Innovations In Implantology by Dr. Ronin Brodovski, an eminent implantologist from Tel Aviv, Israel.

The 16th IACDE PG Convention organized by Department of Conservative Dentistry & Endodontics was held from 4th to 6th June 2015.

A lecture was organized on —Career Options in North America and Practice Management Tips by Dr. Shakti Singh, FRCD (Canada), Faculty University of Toronto on 17th September, 2015.

Indian Dental Student Conference was conducted on 15th and 16th March, 2016 in association with Indian Dental Association.

Comprehensive Implantology course was conducted on 7th March, 2016 as a part of Dentist Day Celebrations by Dr Lanka Mahesh (Visiting Professor, University of Murcia, Spain; Asia Pacific Brand Ambassador, International College of Oral Implantologists and course co-ordinator- Bioner).

A symposium cum workshop was conducted by the department of pharmacology on 3rd August, 2016 on basic life support by Dr Rajesh Kalra.

A 2 day workshop was conducted on —Practice Management, module – 2 on 28th-29th September 2016 by Dr. Ajit Shetty by Department of Conservative Dentistry & Endodontics.

List the teaching methods adopted by the faculty for different programs including clinical teaching.

The department employs new innovative teaching methods into the curriculum. Lectures are updated regularly to incorporate latest developments and scientific knowledge. Theory lectures include videographic demonstrations, illustrations and diagrams to make them more interesting and to ensure in depth understanding of the topic. Demonstrations and discussions are taken on regular basis to encourage active participation from students. Students are also encouraged to take up challenging cases to enhance their clinical skills. Evidence based clinical practice is encouraged along with adoption of newer modalities of treatment.

The students are encouraged to attend workshops, continuing education programs and conferences by eminent national as well as international faculty. The students are trained in data and information handling skills through the use of Orion patient software.

How does the department ensure that program objectives are constantly met and learning outcomes are monitored?

The program objectives are based on the principles of knowledge, skill and attitude. Emphasis is placed on outcome based education. Theory and practical exams at regular intervals serve to monitor progress and assess theoretical knowledge and clinical skill of students. The time management skills of the students are assessed through Orion software which helps to monitor patient appointments and waiting times. The diagnostic skills are assessed through presentation of cases on a weekly basis. The students are instilled with a compassionate attitude towards their patients. Feedback is obtained from the patients and conveyed to the concerned student to assess their professional attitude and communication skills.

Highlight the participation of students and faculty in extension activities. Students and faculty regularly participate in:

S.No.	Date of events	Name of Events
1.	18/02/2012	Euphoria (A Cultural Extravaganga)
2.	06/03/2012	Dentist Day Celebration
3.	05/09/2012	Teachers day celebration
4.	13/09/2012	World Oral Health Day celebration
5.	30/11/2012 to 01/12/2012	Occlusion 2012
6.	22/04/2013 to 27/04/2013	Sports Day
7.	03/05/2013 to 04/05/2013	Inter batch competition- Euphoria 2013
8.	12/07/2013	Prize distribution ceremony for " Euphoria 2013"
9.	05/09/2013	Teacher's Day celebration
10.	13/09/2013	Fresher's Party of 14th BDS Batch (2013-17)
11.	05/04/2014	Annual Convocation ceremony & Alumni Meet
12.	06/08/2014 to 08/08/2014	Euphoria- 2014 Academic excellence & cultural award day
13.	05/09/2014	Teachers Day celebration
14.	19/09/2014	Fresher's party 15th Batch BDS (2014-18)
15.	12/12/2014 to 13/12/2014	Occlusion 2014
16.	02/03/2015	White Coat ceremony
17.	04/04/2015	Convocation ceremony & Alumni Meet – 15
18.	28/05/2015 to 30/05/2015	Euphoria 2015 "Interclass Cultural Fiesta"
19.	16/09/2015	Hostel Day celebration
20.	21/09/2015	Fresher's Party 16th Batch BDS (2015-2020)

21.	06/02/2016	White Coat Ceremony
22.	16/02/2016 to 18/02/2016	Staff Development Program
23.	20/03/2016	World Oral Health Day 2016
24.	21/05/2016	Teacher's day Celebration

Both Undergraduate and postgraduate students are also actively involved in the camps held by Department of Community Dentistry.

S.No.	Year	Total No. of Camps Held
1.	2012	153
2.	2013	162
3.	2014	167
4.	2015	150
5	2016	126

Give details of “beyond syllabus scholarly activities” of the department.

The department encourages students to participate in scholarly activities which are beyond their syllabus. Under-graduate students present scientific posters and papers in conferences under the guidance of faculty. The post-graduate students are encouraged to take up short-term research study in addition to their thesis which inculcates a taste for research and helps to develop a better understanding of statistical methods before they take up thesis work. The additional research undertaken is also presented at national and inter-national forums such as conventions and conferences. Students have participated in continuing dental education programs and workshops conducted by other specialties to enhance their knowledge base and encourage lateral thinking in terms of inter-disciplinary approach.

Some of the programs attended by the post-graduate students are listed below:

- Pharmacovigilance and Basic life support on 29th May 2012 at ITS-CDSR Muradnagar.
- 10th National conference of Forensic Odontology on 7th – 9th Sep 2012 at ITS- CDSR Muradnagar.
- Delhi Dental Show‘ held at Pragati Maidan, New Delhi on 12th to 14th Oct. 2012.
- lecture by Colgate/ IDA for future dental professionals programme on 31st Oct 2012 in ITS-CDSR, Muradnagar.
- _26th PFA Colgate CDE program‘ held at ITS Greater Noida on 15th dec.2012.
- Lecture on _Smile in an Hour‘ by Dr. Mario Besek and Dr. Rajiv Verma held at New Delhi on 17th Jan 2013.
- Lecture on —Lasers & Ultrasonics in Endodontics with Magnification|| by Dr. Vivek Hedge, held at ITS-CDSR, Greater Noida on 24th Jan, 2013.

attended 12th ISP PG Convention held at ITS-CDSR, Greater Noida on 1st-3rd March, 2013.

Attended a continuing dental education workshop on Multispeciality Dentistry – The way forward held at AIIMS on 21st April 2013.

Attended Conservative PG convention held at SDM College, Dharwad from 7th June, - 9th June 2013.

Attended 15th Postgraduate convention of Prosthodontics held at I.T.S. Dental College, Muradnagar from 14th – 16th June 2013.

attended lecture on —Modern Endodontics in current practice by P.D Joshi, held at Fortune Inn at Noida on 30th June, 2013.

CDE program on —Advanced Endodontics lecture, ACED held at Cannaught Place, Delhi in association with Micro-Mega, France on 24th August 2013.

—Investigative Roadmaps-Unfolding the mysteries of orofacial diseases, held at 11th Triple O Symposium on 6th-8th September at I.T.S. Greater Noida.

Indian Dental Student Conference at I.T.S CDSR, Muradnagar on 23rd & 24th Nov 2013.

CDE programme on ‘Endodontic Solutions’ by Dr Vimal Sikri and ‘Paradigm Shift in Caries Management of Non-Cavitated & Cavitated Lesions’ by Dr Neeraj Gugnani at Seema Dental College & Hospital, Rishikesh on 24th Jan, 2014.

ENDOCON-2014 conference at BRS Dental College, Panchkulla, Chandigarh on 19th – 20th, April, 2014.

—Recent Advances in Clinical Dentistry at JLN Auditorium, AIIMS, New Delhi on 4th May, 2014.

International Conference of Dental Specialties at I.T.S CDSR Muradnagar on 9th & 10th May 2014.

15th IACDE and IES national PG convention-PGCON held at SRM Kattankulathur Dental College, Chennai from 5th-8th June, 2014.

CDE program on the topic —Chasing the laser-current concepts at ITS-ACE, Greater Noida, UP on 31st July, 2014.

CDE program on 28th September, 2014 at IDA noida branch in Hotel Mosaic, Noida, UP on the topic- "Advanced Endodontics with Protaper Next".

29th IACDE and 22nd IES National Conference held on 5th, 6th & 7th December 2014 at B.M.Birla Auditorium, Jaipur.

Dental Lasers & Minimally Invasive Endodontics at ESIC Dental college & Hospital, Rohini, Delhi on 19th Dec, 2014.

Attended 16th IACDE & IES PG Convention from 4-6 June 2015.

30th IACDE & 23rd IES National Conference held at Hotel Radisson Blu, Amritsar from 27-29th Nov 2015.

CDE programme on —The New Generation NiTi Endodontics held at Indian Habitat Centre, New Delhi on 9th Jan 2016.

attended the 28th ISDR conference held at ITS-CDSR, Muradnagar from 20-22 Nov 2015.

Pre-Conference Course on Implantology for beginners at I.T.S-C.D.S.R on 18th Nov 2015.

IDA Student Conference at I.T.S.-C.D.S.R on 15th -16th March 2016.

17th IACDE & IES PG Convention held at People's Dental College, Bhopal from 1st -4th April 2016.

CDE programme on —Tooth Reincarnation held at MAIDS on 9th April 2016.

Student Exchange Program Tufts School of Dental Medicine at Boston, USA on 18th -29th July 2016.

Attended 31st IACDE & IES National Conference 2016 held at Science City ,Kolkata from 11th -13th November 2016.

State whether the program/ department is accredited/ graded by other agencies? If yes, give details.

All the programs are recognized by the Dental Council of India.

Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

The Department encourages students undergoing internship training to conduct survey related studies. Many surveys have been successfully completed in the department. UG and PG Students are encouraged to present scientific papers and posters at various conferences. Publications in various national and international journals have been reported. Regular clinico pathological presentations conducted by faculty, post graduates and interns are organized to discuss recent advances in the speciality.

Research projects are undertaken to address lacunae in the existing literature and to attempt to add new knowledge to the specialty. Research work is also done in collaboration with other departments. Other than the dissertation which is a part of the curriculum students are encouraged to take up short research studies and challenging cases to add to their knowledge. Newer advances(use of operating microscope,use of ultrasonics) in treatment modalities are adopted to increase the standard of care along with enhancing knowledge.

UG lectures are taken in PPT format and are updated with recent advancement,videos and pictorial representation. Newer topics are added to make the student aware of the latest.

Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

STRENGTHS

Heavy OPD (150 – 170 Patients) and aiming to achieve maximum patient satisfaction.

Following strict asepsis in all procedures as per International guidelines.

Dedicated workforce and Team effort along with strategy planning, Organization and execution .

Personal supervision of clinical cases done by Post graduate, and Undergraduate, students by MDS faculty.
Encouraging use of surgical microscope to enhance the accuracy and success of endodontics procedures. Exclusive practice of Rotary endodontics in MDS 2nd year and final year.
Exposing the students to advanced equipments related to specialty and teaching them latest techniques of RCT, Obturation and Esthetic Dentistry.
Encouraging research on topics which are original or on topics where the previous researches have left unanswered question.
The department is equipped with —ORION|| , a patient management software, which enables accurate patient enteries , billings and stock management .

WEAKNESS

Because of heavy OPD, waiting time for new patient is slightly more.

OPPPORTUNITIES

Ample opportunities for exposure to various types of cases in the department.
Opportunities for research because of development of in-house Advanced research center.

CHALLENGES

To do innovative research so that it gets approval for grant from ICMR/WHO.
To reduce the patient's waiting time

Future plans of the department.

Infrastructure

Upgrading and air-conditioning of Pre-clinical Conservative is planned in near future. Operator stools with back rests will be procured for better ergonomics. Phantom jaws of superior quality will be procured. This upgraded lab will also be utilized for various future conferences and CDE programmes.

Equipment

Facility for videographic demonstration of various procedures in pre-clinical Conservative Lab.
New instrument retrieval systems will be procured for PG section.
Introduction of Lasers in the department.

Clinical Programme

Motivating PG students to do more all ceramic restorations (Inlay/Onlay/Veneers/Crown).

Display of good Clinical cases as CASE OF MONTH and demonstration of the same to interns to motivate patient as well as interns.

Introducing advanced endodontics in UG curriculum.

Teaching

Introducing new preclinical exercises related to advancements in endodontics for PG students in addition to those prescribed in DCI curriculum.

Upgrading preclinical teaching at par with international standards by video display of Step-wise Demonstrations of various preclinical exercises for BDS second year.

Keeping in pace with global standards.

DEPARTMENT OF PAEDIATRIC AND PREVENTIVE DENTISTRY

Name of the Department:

Department of Paediatric and Preventive Dentistry

Year of

establishment: 2000

Is the Department part of a college/Faculty of the university

Department is part of ITS Dental College, Muradnagar, Ghaziabad which is affiliated to Choudhary Charan Singh University, Meerut.

Names of programs offered (UG, PG, PharmD, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.)

UG- BDS

PG- MDS

Interdisciplinary programs and departments involved

In order to encourage interdisciplinary management of patients and improve the clinical acumen of students, we regularly hold meetings, case discussions and seminars in collaboration with other departments. These are the specific interdepartment programs:

Pedo-ortho myofunctional clinic provides a common platform to the students of both the departments to discuss the early orthodontic interventions in growing patients.

The department also collaborates with the Oral and Maxillofacial Dentistry for minor oral surgical procedures and cleft patients.

The department collaborates with Periodontics for Laser therapies.

Courses in collaboration with other universities, industries, foreign institutions, etc.

Two post-graduate students and two faculty members attended the Comprehensive Implantology Program being conducted in collaboration with Bioner Implants certified by the Universidad Catolica Antonio de Murcia, Spain and recognized by ICOI (International Congress of Oral Implantologists).

Details of programs discontinued, if any, with

reasons Nil

Examination System: Annual/Semester/Trimester/Choice Based Credit System

BDS: Annual University Examination System, Internal assessment in each trimester

MDS: University Exam after 3 years

Participation of the department in the courses offered by other departments

The post graduate students have been a part of various courses offered by other departments in the college such as:-

Comprehensive Implant course conducted by the Department of Prosthodontics under the following modules:-

- First module: 18-20th July 2016
- Second module: 8-10th August 2016
- Third module: 6-8th September 2016
- Fourth module: 3-6th October 2016

Final year post-graduate students attended the Practice Management workshop conducted by Department of Conservative Dentistry & Endodontics on 27-28th August 2016.

Final year post-graduate students attended the CBCT workshop conducted by the Department of Oral Medicine & Radiology on 21st-23rd September 2016.

All the post-graduate students attended the Pharmaco-vigilance workshop conducted by the Department of Pharmacology on 29th May 2012.

Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	SANCTIONED (As per DCI requirement for 2 units)	Filled
Professor	2	4
Associate professor/Reader	4	2*
Assistant professor/ Senior lecturer	2	4
Tutor	0	1

*Two readers have been promoted to the post of Professor

Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

For research under guidance refer to Question no. 28

Name	Qualification	Designation	Specialization	No. of Years of Experience
Dr. Vinod Sachdev	MDS	Prof. & HOD	Pediatric & Preventive Dentistry	32 Years & 10 Months

Dr. Meera Sandhu	MDS	Professor	Pediatric & Preventive Dentistry	14 Years & 6 months
Dr. Sumeet Setia	MDS	Professor	Pediatric & Preventive Dentistry	14 years
Dr. Radhika Chopra	MDS	Professor	Pediatric & Preventive Dentistry	9 years & 6 months
Dr. Shivani Mathur	MDS	Associate Prof.	Pediatric & Preventive Dentistry	7 years & 2 months
Dr. Shobhit Sachdeva	MDS	Reader	Pediatric & Preventive Dentistry	04 Years & 05 Months
Dr. Manvi Malik	MDS	Asst. Prof.	Pediatric & Preventive Dentistry	03 Years & 06 Months
Dr. Karan Sharma	MDS	Asst. Prof.	Pediatric & Preventive Dentistry	02 Years & 10 Months
Dr. Isha Jain	MDS	Asst. Prof.	Pediatric & Preventive Dentistry	03 Years & 06 Months
Dr. Pulkit Jhingan	MDS	Asst. Prof.	Pediatric & Preventive Dentistry	06 Months
Dr. Preeti Sharma	BDS	Tutor		05 Years & 02 Months

List of senior Visiting Fellows, adjunct faculty, emeritus professors

Nil

Percentage of classes taken by temporary faculty – program-wise information

There is no temporary faculty associated with the department.

Program-wise Student Teacher Ratio

B.D.S – 10:1

M.D.S- 3:5

Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

S. No.	Sanctioned	Filled
Support staff(technical)	2	02 - (X-ray lab technician-01 Departmental Computer Operator-01)
Administrative staff	7	07- (Receptionist-01, CSA-03, Nurse-01 Attendants-02)

Research thrust areas as recognized by major funding agencies

Nil

Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

Nil

Inter-institutional collaborative projects and associated grants received a) National collaboration b) International collaboration

Nil

Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received

Nil

Research facility / centre with :
State recognition
National recognition
International recognition

In-house state-of-the-art research centre is available in the institution, facilities of which are being utilized by the department.

Special research laboratories sponsored by / created by industry or corporate bodies

Nil

Publications:

Number of papers published in peer reviewed journals (national / international)
64(National 39, International 25)

Year-wise list of publications

2011

- Tuli A, Sachdev V, Singh A, Kumar A. Physical and dental manifestations of oral facial digital syndrome Type I. J Indian Soc Pedod Prev Dent. 2011;29:83-86. (**PUBMED** indexed)
- Singla A, Sachdev V, Sachdeva A. Soft tissue cephalometric changes to use anterior inclined plane in Class II Div 1 patients. Baba Farid Univ Dent J 2011;2(2):35-38.
- Sangwan S, Mathur S, Dutta S. Retrieval and reattachment of an elusive tooth fragment. J Indian Soc Pedod Prev Dent 2011;29:171-5. (**PUBMED** indexed)

- Mathur S, Pandit IK, Srivastava N, Gugnani G, Gupta M, Chopra R. Endodontic therapy in a four rooted mandibular first molar- a case report. *Indian J Dent* 2011;2(4):181-3. (**PUBMED** indexed)
- Mathur S, Pandit IK, Srivastava N, Gugnani G, Gupta M, Chopra R. Bilateral masseter muscle hypertrophy- a case report. *Indian J Dent* 2011;2(3):104-6. (**PUBMED** indexed)
- Setia S, Kapoor C, Manchanda A. Oral Submucous Fibrosis in a young boy. *Internet J Trop Med* 2011;7(2):1-4

2012

- Chopra R, Marwaha M, Chaudhuri P, Bansal K, Chopra S. Hypodontia and delayed dentition as the primary manifestation of cleidocranial dysplasia presenting with a diagnostic dilemma. *Case Rep Dent*. 2012;2012:262043. (**PUBMED** indexed)
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Goel D, Sandhu M, Jhingan P, Sachdev V. Sensitivity and specificity of air-drying and magnification in detection of initial caries on occlusal surfaces. *J Clin Pediatr Dent.* 2016; 40(3): 215-221. **(PUBMED indexed)**

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• **Monographs:** Nil

Chapters in Books:

Dr. Vinod Sachdev

Tewari A, Sachdev V, Kaur N, (1990) speeding Endodontics. Evolution in Dental Care pp 58 Clinical Press Ltd., Bristol, U.K.

• **Books edited:** Nil

Books with ISBN with details of publishers:

Dr. Vinod Sachdev – 03 Books published

Tewari A, Gauba K, Sachdev V, Goyal Ashima, Narinder K. (1986) Fluorides and Dental Caries: a compendium. – Published by Indian Dental Association. OCLC no. 19399893

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Numbers listed in International database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database- International Social Sciences Directory, EBSCO host, Medline, etc.)

All the publications are listed in International database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database- International Social Sciences Directory, EBSCO host, Medline, etc.)

Citation Index

Faculty	Citation Since 2011	No. of Publications	Avg.	Range	Dept Avg.
Dr. Vinod Sachdev	150	50	3	0.5-4.2	2.69
Dr. Meera Sandhu	18	20	0.9		
Dr. Radhika Chopra	72	18	4		
Dr. Sumeet Setia	5	5	1		
Dr. Shivani Mathur	56	16	3.5		
Dr. Shobhit Sachdeva	3	6	0.5		
Dr. Karan Sharma	21	5	4.2		
Dr. Isha Jain	21	6	3.5		
Dr. Manvi Malik	10	4	2.5		
Dr. Pulkit Jhingan	2	3	0.6		

SNIP

SJR

Impact factor- range/ average

H-Index

Name	H – Index
Dr. Vinod Sachdev	06
Dr. Meera Sandhu	02
Dr. Sumeet Setia	01
Dr. Radhika Chopra	05
Dr. Shivani Mathur	05
Dr. Shobhit Sachdeva	01
Dr. Manvi Malik	02
Dr. Karan Sharma	03
Dr. Isha Jain	03
Dr. Pulkit Jhingan	01
Total	29

H-Index- 29

Range - 1-6

Average- 2.9

Details of patents and income generated Same as number 24

24. Areas of consultancy and income generated

	2016	2015	2014
Number of patients	30148	27386	29804
Income generated (Rs.)	5,96,869.00	3,09,715.00	36,950.00

25. Faculty selected nationally/ internationally to visit other laboratories/ institutions/ industries in India and abroad

- Dr. Radhika Chopra visited Children's Dental Centre, Gurgaon, for an observership in nitrous oxide sedation from May-August 2016
- Dr. Shivani Mathur visited Sri Sai College of Dentistry, Vikarabad, Hyderabad for a course in Nitrous oxide Sedation in July 2016
- Dr. Pulkit Jhingan visited Medical University of Vienna to do Masters in LASER dentistry in December 2016

26. Faculty serving in**a) National committees**

Dr. Vinod Sachdev served as the member of Executive Committee of Indian Society of Pedodontics and Preventive Dentistry from 2015-2016

b) international committees c) Editorial boards d) Any other (specify)

- Dr. Vinod Sachdev
 - Editor-in-chief, Journal of Dental Specialities
 - Member of Editorial team, Indian Journal of Dental Sciences
- Dr. Radhika Chopra
 - Member of editorial support team of Journal of Dental specialities.

Dr. Pulkit Jhingan

- Member of editorial support team of Journal of Dental Specialities.

Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs).

The faculty members regularly attend and are actively involved in leadership programs, teacher training workshops and CDE programs. Following is a detailed list of programs attended by the faculty:

Dr. Vinod Sachdev

Delivered a guest lecture on ‘_Endodontics in Pediatric Dentistry’ at ICCDE/IDA/APDF Joint Scientific Workshop on —Education The Ladder to Excellence in Dentistry|| Ludhiana, January, 2012

Presented a paper on ‘_Assessment of changes in knowledge, attitude and practices in oral health following the oral health education amongst school children’ at 34th ISPPD Conference, Bangkok, Sept, 2012.

Presented a paper on ‘_Cephalometric changes in had and soft tissues following the use of twin block appliances in skeletal class II div. I malocclusion – a case series’ at 34th ISPPD Conference, Bangkok, Sept, 2012.

Presented paper on ‘_A conservative approach for treating dentigenous cyst – report of five cases’ at 34th ISPPD Conference, Bangkok, Sept, 2012.

Delivered a guest lecture on ‘_Saliva as a Diagnostic tool for Dental caries risk assessment’ during the 36th Annual Conference of Indian Society of Pedodontics & Preventive Dentistry held at Lucknow on 14th – 16th October, 2014.

Presented the paper on ‘_Buffered 2% lignocaine for inferior alveolar nerve block in children’ at FDI Annual World Dental Congress, Greater Noida NCR New Delhi, Sept, 2014.

Attended Workshop on —Current Trends in Education & IQAI Organized by I.T.S –CDSR, Muradnagar on 20th December, 2014.

Attended a CDE Titled —Mission Impossible – How to make high-risk cases to normal to handle, simplifying difficult cases in oral Implantology Conducted by Dr. Ronen Bordovski from Israel and sponsored by Mirell Dental Implant system held at I.T.S – CDSR Muradnagar on 27th March 2015

Attended Guest Lecture on —Advances inSurgical Management of Oral Cancers by Dr. Umang Mithal, Targeted Radiotherapy: Need of hour by Dr. Sudarsan De and Targeted therapy in Oral Cancers by Malay Nandy. All the Lectures were from the Galaxy Cancer Institute, New Delhi, held at I.T.S – CDSR Muradnagar on 10th April 2015.

Attended Guest Lecture on Oral Cancer Management by Dr. Prabhat Gupta from Dharamshila Hospital and Research Center held at I.T.S –CDSR Muradnagar on 24th April, 2015.

Organizing committee member of 16th IACDE & IES PG Convention of Conservative Dentistry and Endodontic held at I.T.S – CDSR, Muradnagar on 4th -6th June 2015.

Attended Guest Lecture on Management of Oral Cancer by Dr. K.V. Arun Kumar, Professor, Subharti Dental College, Meerut held at I.T.S – CDSR Muradnagar on 13th Feb, 2015.

Attended the 37th ISPPD National Conference held at Chhattisgarh on 08th -10th October 2015 and presented a Guest Lecturein the same on the topic —Managing Periapical Radiolucencies Associated with Non Vital Teeth – Concepts Revisited||

Presented a Guest Lecture in the "13th International Conference and Exhibition on Dental Medicine "(Dental Medicine-2016) in Toronto(Canada) on August 08th -10th, 2016 on the topic —Non-surgical management of periapical pathologies in relation to non-vital teeth- concepts revisited

Attended Workshop on Orthognathic Surgery Workshop on —case planning in orthognathic surgery: an evolving sciencel by the Department of Oral & Maxillofacial Surgery held at I.T.S –CDSR Muradnagar on 19th – 20th May, 2016.

Attended Workshop on Teacher’s Training Workshop by Dr. D.K. Srinivas & Dr. K. Pushpanjali, held at I.T.S –CDSR Muradnagar on 15TH – 17TH April, 2016.

Attended Workshop on FACULTY LEADERSHIP PROGRAMME by Mr. Rajneesh Singh from Simply HR, Noida, held at I.T.S – CDSR Muradnagar on 20th January, 2016.

Dr. Meera Sandhu

Attended 10th National ISPPD convention held at Sirifort auditorium in March 2013

Attended 36th ISPPD Conference held at Lucknow from 15 to 16 October, 2014.

Attended Workshop on Bioethics in Clinical Research held on 1st Sept. 2014 at ITS Muradnagar, Ghaziabad

Attended a Guest lecture on —Advances in Management of Oral Cancerl organised by Galaxy cancer Institute, Pushpanjali Crosslay Hospital held at ITS-CDSR, Muradnagar on 10th April 2015.

Attended Symposium on —Lasers in Pediatric Dentistry and Myths of dental Implants in Pediatric Dentistryl on 4th Sept, 2015 held at Maulana Azad College of Dental Sciences.

Attended 28th ISDR Conference held at ITS-CDSR from 20-22 Nov, 2015.

Attended IDA student conference on 15th and 16th march, 2016 held at ITS-CDSR

Attended 16th IACDE & IES PG Convention hosted at I.T.S CDSR, Muradnagar, Ghaziabad from 4th to 6th June, 2015.

Attended 38th ISPPD Conference held at Kochi from 20-22 October, 2016.

Attended Teachers Training program held at ITSCDSR, Ghaziabad in April‘ 2016.

Dr. Sumeet Setia

Attended CDE on —Teachers Training Program on 24th March 2012 at I.T.S Dental College, Grater Noida

Attended Scientific Symposium on —Oral Systemic Healthl conducted by Colgate on Aug‘2012 at I.T.S Dental College, Greater Noida

Attended CDE on —Oral Cancer at I.T.S Dental College, Greater Noida, Aug' 2012

Attended Symposium on —Conscious Sedation conducted by Unicorn Denmart on 26th Aug' 2012.

Attended —Use of Lasers in Pediatric Dentistry at A.I.I.M.S. on 02nd Sept. 2012

- Attended Scientific Symposium on —Oral Systemic Health conducted by Colgate on Aug'2012 at I.T.S Dental College, Greater Noida

Attended an update on Antibiotics in Clinical Practice on 30th Aug 2012 at I.T.S Dental College, Greater Noida

Attended Dental Update at ESIC Hospital Rohini, Delhi on 11th Oct'2012.

Attended BLS course by IEMS on 30.10.2012 at I.T.S Dental College, Greater Noida

Attended CDE by ISPPD at AIIMS on 23.12.2012

Attended Lasers and Ultrasonics in Endodontics at I.T.S Dental College, Greater Noida 24.01.2013

Attended CDE on Dental Sleep Medicine at I.T.S Dental College, Greater Noida on 18.02.2013.

Attended 10th ISPPD Pedo PG Convention at Sirifort Audi, New Delhi on 14.03.2013 to 16.03.2013

Attended Professional advanced osstem forum, Chandigarh on 2-08-15

Attended Hands-on clinical course on _Soft tissue diode Lasers' at N. Delhi on 03-07-2016

Dr. Radhika Chopra

Attended CDE Program on _Multispeciality Dentistry- The Way Forward' held at AIIMS in April 2012

Attended CDE on _Multidisciplinary Update and Oral cancer symposium' held on 9-10 Oct, 2012 at ESIC Dental College, Rohini

Attended CDE program on _Pediatric Dentistry' held on 23rd Dec, 2012 at AIIMS, N Delhi

Presented a Paper on topic _Efficacy of buccal infiltration with articaine for anesthetising primary mandibular molars' at 35th National conference of ISPPD held at Jaipur, Sept 2013

Attended 10th PG convention, ISPPD held on 14-16 March, 2013 at N. Delhi (chaired a scientific session)

Attended Workshop on Bioethics in Clinical Research held on 1st Sept. 2014 at ITS Muradnagar, Ghaziabad

Attended Workshop on Current trends in Education & IQA held on 20th Dec. 2014 at ITS-CDSR, Ghaziabad

Presented a Paper on topic _Buffered 2% lignocaine for inferior alveolar nerve block in children' at FDI (Federation Dentaire International) conference held at Greater NOIDA in Sept, 2014

Presented a Paper on topic _Awareness Towards Dental Trauma Prevention and Management among Sports Instructors of various

Academies in Delhi, India' at FDI (Federeration Dentaire International) conference held at Greater NOIDA in Sept, 2014
Presented a Paper on topic _Awareness Among Parents Regarding Effects of Sweetened Beverages on Child's Dental Health' at FDI (Federeration Dentaire International) conference held at Greater NOIDA in Sept, 2014
Attended CDE Program on _Recent advances in Clinical Dentistry' held on 4th May, 2014 at AIIMS, New Delhi
Attended CDE Program on _Exploring the Psychological Paradigm of Clinical Pediatric Dentistry' held on 23rd Aug, 2014 at ITS Dental College, Greater NOIDA
Presented a Paper on topic _Effect of nanofilled self-adhesive coating on the color stability of composite resins' at ISDR (Indian Society of Dental Research) held at ITS, Ghaziabad in Nov, 2015
Presented a Paper on topic _Double-blind crossover study to evaluate the pain experience during inferior alveolar nerve block using buffered 2% lidocaine in children' at 37th ISPPD conference held at Raipur in Oct, 2015
Attended Teachers Training program held at ITS Dental College, Greater NOIDA on 17-19 Oct, 2015
Attended Workshop on Nitrous-oxide Oxygen Sedation held on 19th Nov. 2015 at ITS-CDSR, Ghaziabad
Attended Workshop on —Dentofacial Orthopedics|| held at Indore on 5-6th August 2016
Presented a Paper on topic —Is pulpotomy for primary molars a passé? A series of 10 cases|| at 38th ISPPD conference at Kochi in Oct. 2016

Dr. Shivani Mathur

Presented paper titled —Missing chip within the lip: a clinician's dilemma|| at 36th ISPPD Conference held at Lucknow in October, 2014.
Attended a Guest lecture on —Advances in Management of Oral Cancer|| organised by Galaxy cancer Institute, Pushpanjali Crosslay Hospital held at ITS-CDSR, Muradnagar on 10th April 2015.
Attended Symposium on —Lasers in Pediatric Dentistry and Myths of dental Implants in Pediatric Dentistry|| on 4th Sept, 2015 held at Maulana Azad College of Dental Sciences.
Presented poster titled —Mouth as a mirror of the body|| at ISDR conference held at ITS-CDSR, Muradnagar, Nov, 2015.
Attended IDA Student Conference on 15th and 16th march, 2016 held at ITS-CDSR.
Attended 16th IACDE & IES PG Convention hosted at I.T.S CDSR, Muradnagar, Ghaziabad from 4th to 6th June, 2015.
Presented paper titled — Gag: A Pedodontist's Dilemma|| at 38th ISPPD Conference held at Kochi in October, 2016.
Attended Teachers Training program held at ITSCDSR, Ghaziabad in April' 2016.

Attended Nitrous-oxide Oxygen Sedation Course held on 19th Nov. 2015 at ITS-CDSR, Ghaziabad.

Attended Nitrous-oxide Oxygen Sedation Course and BLS (Basic Life support) held at Vikarabad, Hyderabad July 20-22'16

Dr. Shobhit Sachdeva

Presented Paper on —Dental arch dimensions in primary dentition of children aged three to five years|| at 34th National ISPPD Conference at Pattaya, Thailand on 13th and 14th September 2012.

Attended CDE on Pediatric dentistry- AIIMS, New Delhi, 23rd December'2012.

Attended CDE on Lasers & Ultrasonics in Endodontics with Magnification, ITS G. Noida 24th January'2013

Attended 10th National ISPPD convention held at Sirifort auditorium in March 2013

Attended 12th ISP PG convention – ITS dental college, Greater Noida- 1st-3rd March'2013.

Attended Indian Dental Student Conference-2013 at ITS-CDSR, Ghaziabad

Attended International Conference of Dental Specialities held on 9-10 May'2014 at ITS-CDSR, Ghaziabad.

Attended Rotary Endodontics by Dr. Vivek Hegde 16th IACDE and IES (Indian Endodontic Society) PG convention held on 4th-6th June, 2015 at ITS-CDSR, Ghaziabad.

Attended 16th IACDE and IES (Indian Endodontic Society) PG convention held on 4th-6th June, 2015 at ITS-CDSR, Ghaziabad

Attended Symposium on —Tooth Trauma|| held at Subharti Dental College, Meerut on 21st-22nd August'2015.

Attended Teachers Training program held at ITSCDSR, Ghaziabad in Oct' 2015.

Attended Nitrous-oxide Oxygen Sedation Course held on 19th Nov. 2015 at ITS-CDSR, Ghaziabad.

Attended 28th ISDR (Indian Society for Dental Research) conference held on 20th-22nd Nov.' 2015 at ITS-CDSR, Ghaziabad.

Scientific Co-Convenor at IDA student conference held on 15th-16th March'2016 at ITSCDSR, Ghaziabad.

Guided a Poster for undergraduates on —Ribbond dental reinforcement|| at IDA students conference held at ITSCDSR, 15-16 March' 2016.

Delievered a lecture on —OPD management, patient scheduling and seating|| at CSA training programme held at ITSCDSR , 4th-13th April' 2016.

Dr. Isha Jain

Attended Workshop on —Current Trends in Education and IQA|| on 20th December 2014 at ITS CDSR, Muradnagar.

Presented Guest Lecture on —Prevention of Periodontal Disease & Oral Hygiene Maintenancel| on 12th January 2015 at ITS CDSR, Muradnagar.

Attended Academic Session on —Periodontal Health Maintenance in an Implant Patient held on 25th March 2015.

Attended a Guest lecture on —Advances in Management of Oral Cancer organised by Galaxy cancer Institute, Pushpanjali Crosslay Hospital held at ITS-CDSR, Muradnagar on 10th April 2015.

Attended CDE on the topic "Painless Dentistry" in 24th August 2016 held at ESIC Dental College, Rohini.

Attended pre-conference course in 16th IACDE & IES PG Convention hosted at I.T.S CDSR, Muradnagar, Ghaziabad from 4th to 6th June, 2015.

Presented a paper on —Herbal extracts and its use in Dentistry 28th Indian Society for Dental Research (ISDR) Conference, Nov 20 - 22, 2015, at I.T.S CDSR, Muradnagar, Ghaziabad

Attended Teacher Training programme in October 2015.

Dr. Karan Sharma

Attended Workshop on —Current Trends in Education and IQA on 20th December 2014 at ITS CDSR, Muradnagar.

Presented a Guest Lecture on —Prevention of Periodontal Disease & Oral Hygiene Maintenance on 12th January 2015 at ITS CDSR, Muradnagar.

Attended Academic Session on —Periodontal Health Maintenance in an Implant Patient held on 25th March 2015.

Attended a Guest lecture on —Advances in Management of Oral Cancer organised by Galaxy cancer Institute, Pushpanjali Crosslay Hospital held at ITS-CDSR, Muradnagar on 10th April 2015.

Attended pre-conference course in 16th IACDE & IES PG Convention hosted at I.T.S CDSR, Muradnagar, Ghaziabad from 4th to 6th June, 2015.

Attended 28th Indian Society for Dental Research (ISDR) Conference, Nov 20 - 22, 2015, at I.T.S CDSR, Muradnagar, Ghaziabad

Attended CDE on the topic "Painless Dentistry" in 24th August 2016 held at ESIC Dental College, Rohini.

Attended 38th ISPPD National conference on 20 -22nd October 2016, Cochin

Dr. Manvi Malik

Attended Workshop on —Current Trends in Education and IQA on 20th December 2014 at ITS CDSR, Muradnagar.

Attended Guest Lecture on —Prevention of Periodontal Disease & Oral Hygiene Maintenance on 12th January 2015 at ITS CDSR, Muradnagar.

Attended Academic Session on —Periodontal Health Maintenance in an Implant Patient held on 25th March 2015.

Attended a Guest lecture on —Advances in Management of Oral Cancer organised by Galaxy cancer Institute, Pushpanjali Crosslay Hospital held at ITS-CDSR, Muradnagar on 10th April 2015.

Attended pre-conference course in 16th IACDE & IES PG

Convention hosted at I.T.S CDSR, Muradnagar, Ghaziabad from 4th to 6th June, 2015.

28th Indian Society for Dental Research (ISDR) Conference, Nov 20 - 22, 2015, at I.T.S CDSR, Muradnagar, Ghaziabad

Attended CDE on the topic "Painless Dentistry" in 24th August 2016 held at ESIC Dental College, Rohini.

Attended 38th ISPPD National conference on 20 -22nd October 2016, Cochin

Dr. Pulkit Jhingan

Attended Lasers in Dentistry- AIIMS on 02/08/2012 held at AIIMS, New Delhi.

Attended 'Molecular insight into Forensic Odontology' at 10th National Conference of Indian Association of Forensic Odontology, held at ITS-CDSR, Murad Nagar on 7-9 September 2012.

Presented a poster on 'Low birth weight babies and dental manifestations' at the 34th National Conference at Pattaya on 13th September 2012.

Attended 26th PFA- Colgate CDE Programme- I.T.S- CDSR, Murad Nagar on 15/12/2012 organized by Pierre Fauchard Academy Certificate course on 'Lasers & Ultrasonics in Endodontics with Magnification' held at I.T.S. Dental College, Greater Noida on 24th January 2013.

Attended Dental Sleep Medicine —Perspectives and Strategies for Management- I.T.S., Greater Noida, on 16th Feb, 2013

Certificate course on 'Soft tissue lasers in Pediatric Dentistry' held at AIIMS, New Delhi on 13th March 2013.

Attended Lecture cum-hands on 'Fibre post restoration of endodontically treated teeth' at AIIMS on 13th March 2013.

Attended 10th Pedo PG Convention at New Delhi on 13th March- 16th March, 2013.

Presented Paper on 'An in-vitro evaluation of the effect of 980 nm diode laser irradiation on intra-canal dentin surface and dentinal tubule openings after biomechanical preparation: Scanning electron microscopic study.' at 35th ISPPD National conference, Jaipur from 26th - 28th September, 2013

Attended CDE programme of Pediatric Dentistry organized by Maulana Azad Institute of Dental Institute on 23rd March, 2014.

Attended CDE programme on 'Recent Advances in Clinical Dentistry' organized by AIIMS, New Delhi on 4th May 2014.

Attended a certificate course on 'Latest advances in LASER dentistry' held at Maulana Azad Institute of Dental Sciences, New Delhi on 2nd Nov 2014

Presented poster on 'Dental Remineralization - A promising future' at International Conference of Dental Specialties, organized by I.T.S-CDSR from 9th to 10th May 2014

Student projects

Percentage of students who have taken up in-house projects including inter-departmental projects -

100 % - All post-graduate students undertake in-house projects which may involve other departments. The in-house projects may be divided into thesis and short studies as listed below.

Research Conducted in-house including inter-departmental research

List of Thesis

Comparative evaluation of retentive ability of giomer based and hydrophillic resin based pit and fissure sealant in primary molars : a randomised clinical trial - Dr. Divya singh, Dr. Meera Sandhu, Dr. Shivani Mathur(2016 - 2019)

Comparison of polymer and ceramic burs with tungsten carbide bur on cutting efficiency and thermal changes during dental caries excavation: an in vivo study - Dr. Sakshi Chaudhary, Dr. Meera Sandhu, Dr. Shobhit Sachdeva (2016 - 2019)

Clinical and radiographic evaluation of indirect pulp treatment subsequent to use of calcium hydroxide, tri calcium silicate and diode laser in primary and permanent teeth: an in- vivo study - Dr. Smriti Karmakar, Dr. Shivani Mathur, Dr. Meera Sandhu (2016 - 2019)

Effect of three different compositions of topical fluoride varnishes with and without prior oral prophylaxis on streptococcus mutans count in biofilm samples of children aged 2-8 years. – a randomized controlled trial - Dr. Sushma Yadav, Dr. Vinod Sachdev, Dr. Radhika Chopra, Dr. Vandana Srivastava (2016 - 2019)

Comparative evaluation of root canal disinfection using sodium hypochlorite, 940nm diode laser and photodynamic therapy in single sitting endodontic treatment: an in-vivo study - Dr. Vishakha Verma, Dr. Vinod Sachdev, Dr. Shobhit Sachdeva, Dr. Vandana Srivastava (2016 - 2019)

Intercomparison of anesthetic efficacy of buccal infiltration and inferior alveolar nerve block anesthesia using 3% mepivacaine hydrochloride for vital pulp therapy in primary molars – Dr. Anchal Sharma, Dr. Vinod Sachdev, Dr. Radhika Chopra (2015 - 2018)

Retention and marginal adaptability of four different intra canal posts used for rehabilitation of extensively decayed primary anterior teeth. an -in vivo study – Dr. Anjali Malik, Dr. Vinod Sachdev, Dr. Shivani Mathur (2015- 2018)

Clinical and radiographical evaluation of four different Zinc oxide integrated root canal obturating material used in primary teeth – Dr. Himani Goel, Dr. Shivani Mathur, Dr. Meera Sandhu (2015 – 2018)

A randomized crossover study for comparative evaluation of GIOMER based sealant and conventional fluoride releasing pit and

- fissure sealant in first permanent molars – Dr. Sameer Sharma, Dr. Radhika Chopra, Dr. Meera Sandhu (2015 – 2018)
- Clinical and radiographic evaluation of lesion sterilization and tissue repair as an alternative to conventional endodontic treatment in primary molars – Dr. Shikha Arora, Dr. Meera Sandhu, Dr. Radhika Chopra (2015 – 2018)
- An in-vivo study to evaluate the clinical performance of three different flowable bulkfill composite materials in primary teeth – Dr. Shikha Chauhan, Dr. Meera Sandhu, Dr. Shivani Mathur (2015 – 2018)
- Intercomparison of two local anaesthetic agents-2% lignocaine hydrochloride and 4% articaine hydrochloride for extraction of primary molar - A randomized control trial - Dr. Aaksha Gupta, Dr. Meera Sandhu, Dr. Radhika Chopra (2014 – 2017)
- Colour improvement and resistance to discolouration in white spot lesions subsequent to use of resin infiltrate, casein phosphopeptide, sodium fluoride and tricalcium phosphate -an in-vitro study - Dr. Noopur Gupta, Dr. Meera Sandhu, Dr. Shivani Mathur (2014 – 2017)
- An In-vivo comparative evaluation of 2% Chlorhexidine Gluconate, Triantibiotic paste and Calcium Hydroxide as Indirect Pulp Therapy agents in primary molars – Dr. Nusrat Batool, Dr. Radhika Chopra, Dr. Vinod Sachdeva (2014 – 2017)
- Prevalence of Dentofacial anomalies, Dental fluorosis, Dental trauma, oral mucosal lesions and Dental erosion amongst 5,12 and 15 year olds of Meerut division, Western Uttar Pradesh- A pathfinder survey - Dr. Ritika Shammi, Dr. Shivani Mathur, Dr. Vinod Sachdev (2014 – 2017)
- Comparative evaluation of four remineralising agents-sodium fluoride, amine fluoride, casein phosphopeptides- amorphous calcium phosphate and bioactive glass as remineralising agents on enamel surface microhardness -in vitro study – Dr. Tania Gulati, Dr. Vinod Sachdev, Dr. Radhika Chopra (2014 – 2017)
- Prevalence of dental caries and gingival health status amongst 5, 12 and 15 years old school going children of Meerut division , Western Uttar Pradesh (India) – Dr. Urvashi Verma, Dr. Vinod Sachdev, Dr. Shivani Mathur (2014 – 2017)
- The effect of different root canal sealers on the fracture resistance of endodontically treated teeth- in vitro study – Dr. Anuv H Phukan, Dr. Shivani Mathur, Dr. Meera Sandhu (2013 – 2016)
- Comparitive evaluation of Deproteinization before and after acid etching and its effect on the shear bond strength: an in-vitro study – Dr. Pallavi Hasija, Dr. Vinod Sachdev, Dr. Shivani Mathur (2013 – 2016)
- To study the relationship of dental caries experience and dental fluorosis in schoolchildren of different places of Uttar Pradesh,India – Dr. Charu Aggarwal, Dr. Meera Sandhu, Dr. Radhika Chopra, Dr. Aruna D.S. (2012 – 2015)

Prevalence of Oral Habits in 5-12 year old school children in Muradnagar City, India – Dr. Garima Dayal, Dr. Vinod Sachdev, Dr. Meera Sandhu, Dr. Aruna D.S (2012 – 2015)

Comparative evaluation of Streptococcus mutans and Scardovia wiggsiae among children with early childhood caries and caries free children – Dr. Mehak Nagpal, Dr. Meera Sandhu, Dr. Vinod Sachdev (2012 – 2015)

Short Study:

Knowledge attitude and practice of topical fluoride application in pediatric patients – Dr. Anchal Sharma, Dr. Radhika Chopra, Dr. Shobhit Sachdeva (2015 – 2018)

Knowledge and attitude of dentist towards antibiotic use in children – A cross sectional survey – Dr. Anjali Malik, Dr. Vinod Sachdev, Dr. Karan Sharma (2015 – 2018)

Diode laser : A short for the greater good – Dr. Himani Goel, Dr. Shivani Mathur (2015 – 2018)

Assessment of emotional development in children during dental treatment – A Sameer Sharma, Dr. Radhika Chopra, Dr. Pulkit Jhingan (2015 – 2018)

Comparison of perceptions of oral health related quality of life in children with and without esthetic restorations affected with ECC – Dr. Shikha Arora, Dr. Meera Sandhu, Dr. Isha Jain (2015 – 2018)

Effect of Oil spilling on salivary streptococcus mutans count : In vivo study – Dr. Shikha Chauhan, Dr. Meera Sandhu, Dr. Manvi Malik (2015 – 2018)

Predicting dental anxiety in children using various physical indicators – Dr. Aaksha Gupta, Dr. Meera Sandhu, Dr. Radhika Chopra (2014 – 2017)

Reliability of magnifying loupes in detecting white spot lesion : An in vivo study – Dr. Noopur Gupta, Dr. Meera Sandhu, Dr. Shivani Mathur (2014 – 2017)

Perception of parents and dentist towards radiation exposure of children during periodic oral examination and treatment – Dr. Nusrat Batool, Dr. Radhika Chopra, Dr. Vinod Sachdev (2014 – 2017)

ECC ... a blood relation???? - Dr. Ritika Shammi, Dr. Shivani Mathur, Dr. Meera Sandhu (2014 – 2017)

Clinical evaluation of a new zirconia based glass ionomer posterior restorative material for class I – II restorations in primary molars – An in vivo study – Dr. Tania Gulati, Dr. Vinod Sachdev, Dr. Radhika Chopra (2014 – 2017)

Prevalence of musculoskeletal disorders among faculty members and students in dentistry – Dr. Urvashi Verma, Dr. Vinod Sachdev, Dr. Shivani Mathur (2014- 2017)

UG Research – The undergraduate students are encouraged to do research with the help of faculty and present their research in the form of paper, poster or table clinic at various national conferences.

Parental knowledge about Infant oral health. Rachel V Iall, Dr. Meera Sandhu.

Awareness Towards Dental Trauma Prevention and Management among Sports Instructors of various Academies in Delhi. Geetika Gupta, Dr. Radhika Chopra.

Awareness Among Parents Regarding Effect of

Sweetened Beverages on Child's Dental Health. Heena Bansal, Dr. Radhika Chopra.

Percentage of students doing projects in collaboration with other universities/ industry/ institute-

26% of the students have taken up research projects in collaboration with other institutes and industry

Effect of nitrous oxide on the physiological, psychomotor and analgesic parameters in 3-12 years old children treated under conscious sedation - Dr. Shivangi Sharma, Dr. Radhika Chopra, Dr. Vinod Sachdev, Dr. Kunal Gupta (2016 - 2019) (Children Dental centre, Gurgaon)

Effect of various children's drinks on the color stability of different esthetic restorative materials- in vitro study – Dr. Prachi Pathak, Dr. Radhika Chopra, Dr. Meera Sandhu (2013 – 2016) (IIT, Delhi)

Effects of Air Abrasion and Acid Etching on the Microleakage of Preventive Class I Resin Restorations- An in vitro study – Dr. Deepti Goel, Dr. Vinod Sachdev, Dr. Meena Sandhu (2012 – 2015) (R & R, Delhi)

Intercomparison of salivary nitric oxide as a biomarker of dental caries risk between caries active and caries free individuals- an in vitro study – Dr. Meena Syed, Dr. Vinod Sachdev, Dr. Radhika Chopra (2013 – 2016) (Codon Lab Noida)

Effect of casein phosphopeptide-amorphous calcium phosphate added to carbonated beverages on enamel erosion of primary and permanent teeth – Dr. Nitya Rai, Dr. Meera Sandhu, Dr. Vinod Sachdev, Dr. Rina Sharma (2013 – 2016) (National Physical laboratory, Delhi)

Estimation of trace elements in mixed saliva of caries free and caries active children – Dr. Punya Sekhri, Dr. Meera Sandhu, Dr. Radhika Chopra (2013 – 2016) (National Test House, Ghaziabad)

Comparative evaluation of shear bond strength of composite resin bonded to acid-etched or Er,Cr:YSGG laser etched enamel: An in vitro study – Dr. Pulkit Jhingan, Dr. Vinod Sachdev, Dr. Meera Sandhu (2012 – 2015) (Pradhan Dental Centre, Mumbai)

To Study the various enamel forming genes and their possible correlation with dental caries experience in children aged 3-6 years – Dr. Shweta Gulia, Dr. Meera Sandhu, Dr. Vinod Sachdev (2012 – 2015) (Codon Lab Noida)

Awards / recognitions received at the national and international level by

FACULTY

Dr. Radhika Chopra was awarded the Best Paper Award for scientific presentation at 37th ISPPD conference held at Raipur in Oct, 2015

Dr. Isha Jain was awarded the Best Paper award in 28th Indian Society for Dental Research (ISDR) Conference, Nov 20 - 22, 2015, at I.T.S CDSR, Muradnagar, Ghaziabad

STUDENTS

Dr. Pallavi Hasija received the best paper award at 28th ISDR conference held at ITS Muradnagar: —Sewing needle in root canal : A timely diagnosis||

Dr. Pallavi Hasija received the best poster award at Indian Student Dental Conference: — Look Beyond Steel: A pleasing appeal.

Dr. Nitya Rai received the best paper award at 36th annual conference ISPPD held in 2014 at lucknow. Topic: — Knowledge , attitude and practices regarding consumption of carbonated beverages in children residing in New Delhi and Ghaziabad||

Dr. Nitya Rai and Dr. Punya Sekhri received the best paper award at 28th ISDR conference 2015 topic: — Early eruption of maxillary premolar with turner's hypoplasia ; a rare case report||

Dr. Punya Sekhri received the best paper award at IDA conference 2014 Topic|| perceived competency as dental practitioners among interns in Delhi-NCR||

Dr. Punya Sekhri received the second best poster award at IDA conference 2016 Topic|| Probiotics- A myth or reality.||

Dr. Ritika Shammi received the best paper award at 37th ISPPD held at Raipur.Topic:|| Dental Caries –A Blood Relation ?

Dr. Himani Goel received the best poster award at 28th ISDR CONFERENCE held at ITS Muradnagar Topic: — Retro anesthesia – the way you come----the way you Go||

Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any

Department organized 10th National ISPPD convention held at Sirifort auditorium in March 2013. Source of funding was through the registrations, Trade fair, advertisements in the convention souvenir.

A Code of ethics for research followed by the departments

All the research projects of the department are sent to the Institutional Research Committee to check for the feasibility and then forwarded to the Institutional Ethical Committee for approval. The Institutional Ethical Committee is recognized by the Government of India and follows the ICMR Ethical Guidelines for Biomedical Research on

Human participants, 2006 and the Helsinki Declaration Human Medical Experimentation Ethics Document, 2008.

Student profile program-wise

Name of the Program	Application received	Selected		Pass percentage %	
		Male	Female	Male	Female
BDS					
2012	350	20	77	95%	96.7%
2013	263	26	74	88.46%	97.36%
2014	249	26	74	100%	98.64%
2015	292	23	77	Ongoing batch	
2016	263	14	47	Ongoing batch	
MDS					
2013	152	1	5	100%	100%
2014	132	0	6	Ongoing batch	
2015	109	1	5	Ongoing batch	
2016	136	0	6	Ongoing batch	

Diversity of students

Name of the Program	% of students from the same University	% of students from other University within the State	% of students From University outside the State	% of Students from other Countries
MDS 2012	16.7%	66.6%	16.7%	NIL
2013	66.7%	16.7%	16.6%	NIL
2014	66.7%	16.7%	16.6%	NIL
2015	33.4%	33.3%	33.3%	NIL
2016	83%	17%	0	NIL

How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise

Nil

Student progression

Student progression Percentage against enrolled		
UG to PG	2012	0%
	2013	66.6%
	2014	16.6%
	2015	33%
	2016	50%
PG to M.Phil, DM / M Ch / DNB		N/A

PG to Ph.D.	N/A
Ph.D. to Post-Doctoral	N/A
Employed	
<input type="checkbox"/> Campus selection	8.3%
<input type="checkbox"/> Other than campus recruitment	66.6%
Entrepreneurs	25%

36. Diversity of staff

Percentage of faculty who are graduates	
Of the same university	20%
from other universities within the State	10%
from universities from other states	70%
from universities outside the country	Nil

Number of faculty who were awarded M.Phil., DM, M Ch, Ph.D., D.Sc. and D.Litt. during the assessment period

Nil

Present details of departmental infrastructural facilities with regard to

Library :

The department is equipped with a library which has 62 books with 56 titles and also stocks copies of all the thesis and library dissertations from previous years for ready reference.

Internet facilities for staff and students

Department is well connected with campus WiFi of 20 MBPS speed for internet access to staff as well as students. The students also have access to WiFi in their hostels after college hours.

Total number of class rooms

There are four classrooms in the college as per DCI requirement which are used by all the departments for conducting lectures for BDS students. In addition, the department is also equipped with a seminar room for post-graduate students.

Class rooms with ICT facility and „smart“ class rooms

All the classrooms are smart classrooms and have ICT facility. Two classrooms are equipped with smart boards.

Students“ laboratories

The department is equipped with two laboratories, one for preclinical work and one for other laboratory procedures.

Research laboratories

In- house state-of -the-art research centre is available the facilities of which are being utilized by the department. The research centre has facilities for conducting research in the fields of genomics, microbiology, metallurgy, biochemistry and radiology (CBCT).

List of doctoral, post-doctoral students and Research Associates

- | | |
|-------------------------------------------|-----|
| a) from the host institution/university : | Nil |
| b) from other institutions/universities : | Nil |

Number of post graduate students getting financial assistance from the university

Nil

Was any need assessment exercise undertaken before the development of new program (s)? If so, highlight the methodology

See number 42.

Does the department obtain feedback from**faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?**

Yes, regular monthly meetings are held with the faculty of the department to take their feedback on the academic curriculum and teaching methods. These suggestions are then discussed with the higher authorities and implemented accordingly.

As the field of Endodontics is now developing single sitting procedures which save the time of both the doctor and the patient, the introduction of this concept was suggested by the faculty. After higher authority approval, this procedure was officially introduced into the clinical practice.

The faculty also suggested more personal interaction with the undergraduate students to address their problems and increase their understanding. Thus group activities were introduced during their clinical postings to generate interest and develop problem based learning.

students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Yes, feedback forms are regularly filled by the students on the theory lectures, academic curriculum, clinical postings and examination pattern. Based on their feedback, various modifications are made and new techniques are introduced in the department.

As the students suggested introduction of LASER dentistry and

Interceptive orthodontics in their clinical teaching, it was decided to buy a soft tissue LASER and one faculty member trained in LASER was employed to introduce this technology in the department.

Similarly, it was decided to start Ortho-Pedo combined myofunctional clinic to improve the knowledge and clinical exposure of the students of both the departments. 2x4 appliance therapy was also introduced to enhance the knowledge of the students

alumni and employers on the programs offered and how does the department utilize the feedback?

The feedback from the alumni members is taken during the alumni meet organized by the institute. The most prominent feedback was the lack of training in sedation dentistry in the present program. So it was decided to fill this lacuna by starting sedation dentistry clinic. Two of the faculty members have received training in nitrous oxide sedation and the sedation unit has been bought to establish the clinic.

List the distinguished alumni of the department (maximum 10)

Dr. Sunil Pandey- working as Head in Government college, Raipur, Chattisgarh

Dr. Brinda Godhi- working as reader in JSS, Mysore

Dr. Neha Sharma- working as a pediatric dentist in Rainbow hospital, Hyderabad.

Dr. Pallavi Dhama- working as consultant pediatric dentist in Clove, Krishna nagar

Dr. Deepti Goel- working as centre head in Dialdent, Noida.

Dr. Nitya Rai – working as a senior resident in MCD government hospital, New Delhi

Dr. Pulkit Jhingan – consultant pediatric and laser dentist at MFD chain of clinics, New Delhi..

Give details of student enrichment programs (special lectures / workshops seminar) involving external experts.

The institute regularly invites eminent national and international researchers to visit the campus and share their rich experience. Following is the list of some of the eminent faculty who visited the campus

13 2013	March	Early orthodontic treatment modalities in children	Dr. Shams Moopen (Northampton)
14 2013	March	Current trends in Dental Caries in children	Dr. Ana Marcarenhas (Florida)
14 2013	March	Myofunctional appliances	Dr. Ashok Utreja (PGI, Chandigarh)

15 th June 2013	Guidelines on Scientific Writing	Dr. Shilpa Shetty
15 th June 2013	Concepts and Controversies in Implant Occlusion	Dr. M Reddy, Dr. Chandreshekhar Anam
9 th May 2014	Temporomandibular Joint disorders	Dr. Carlos Rocha Gomes (Brazil) Dr. Neubert (Florida)
9 th May 2014	Genetics and molecular Biology of Oral Cancer and Precancer	Prof. Dr. Cheong Sok Ching (Malaysia)
9 th May 2014	Understanding Molar Incisor Hypomineralization	Dr. Robert P. Anthonappa
1 st September 2014	Workshop On Bioethics In Clinical Research	Dr. Prem Chopra (AIIMS)
19 th November, 2015	Workshop on —Nitrous oxide inhalation sedation in 28 th ISDR Conference	Dr. Srinivasan Namineni (Hyderabad)
19 th November, 2015	Workshop on —Demystifying Clinical Research In Dentistry in 28 th ISDR Conference	Dr. MS Muthu (Chennai)
20 th November 2015	Oral Care for older people	Dr. Walls Angus (Scotland)
21 st November 2015	Effective oral rehabilitation for elderly	Dr. Richard Lessungb (S. Korea)
22 nd November 2015	Smoking, a major risk in Periodontics and Implant Failure	Dr. Crawford Bain (UAE)
15-17 th April 2016	Teacher's training workshop	Dr. D. K. Srinivas (Rajiv Gandhi University, Bangalore)

List the teaching methods adopted by the faculty for different programs including clinical teaching.

BDS

Innovation in teaching methods is adopted along with conventional teaching for undergraduate program

All the lectures are conducted through powerpoint presentations consisting of clinical case photographs and videos for better understanding of students

Group activities for the students during clinical postings to enhance problem based learning

Short seminar presentation to improve public speaking

Demonstration of clinical procedures and faculty check at every step from diagnosis to completion of treatment

Encouraging the student-patient interaction to teach behaviour management and parent counseling.

MDS

Seminar presentation on powerpoint
 Case presentation and discussion
 Journal club presentation
 Written assignments after every seminar
 Batch-wise Group activities
 Adoption of Flipped learning approach to involve the students actively in the teaching-learning process
 Demonstration of new procedures by faculty
 Workshops and continuing education programs
 Inter-department clinics and clinical grand rounds.

How does the department ensure that program objectives are constantly met and learning outcomes are monitored?

The program objectives are assessed by assessing the students' knowledge, skill and attitude

The knowledge of students is assessed by regular terminal examinations, end-post viva and written assignment.

The clinical skill of students is assessed by regular practical exams and by checking every step of clinical procedures. The diagnostic skills are assessed by case presentations.

The attitude of students is assessed by the number of procedures completed by the students and by taking patient feedback as to their experience with the students. The time duration and number of appointments for completing the procedures is also checked in the orion software

Highlight the participation of students and faculty in extension activities. Students and faculty regularly participate in:

The department celebrates 'Children's Day' or 'Pedodontist's Day' every year on 14th November wherein children from selected schools are invited to participate in a number of activities like drawing competition, painting competition, essay writing, quiz, story telling etc. the theme for these activities is usually based on dental health. School Dental health program organized by Department of Pedodontics & Preventive Dentistry

School Camps Details 2012 - 2016			
S. No.	DATE	PLACE	No. of patients screened
1	1/2/2012	HRIT	252
2	8/2/2012	Kiet	81
3	6/4/2012	ITS Murad Nagar	354
4	23/08/2012	Deepmemorial Public School	500

5	27/08/2012	Deepmemorial Public School	349
6	29/08/2012	Cambridge School, indrapuram, Ghaziabad	321
7	30/08/2012	School Cambridge School	562
8	5/10/2012	Dehradun Public School, Ghaziabad	378
9	13/10/2012	Modern Academy Sr/ Secondary School Sikri	156
10	17/10/2012	DPS Indirapuram	400
11	26/10/2012	Sarna	150
12	30/10/2012	DAV Public School, Sahibabad	425
13	1/11/2012	Ghazibad Public School, Ghaziabad	422
14	9/11/2012	DAV Public School, Rampstha	403
15	23/01/2013	DDPS, Ghaizabad	498
16	7/2/2013	Deewakar Model School, Shayam Park , Sahibabad	340
17	16/02/2013	Khattan Public School, Sahibabad	166
18	5/3/2013	CSH Public School Vijaynagar GZB	220
19	16/04/13	C/S/H/P Muradnagar	384
20	23/04/13	C/S/H/P School (GZB/)	551
21	9/5/2013	Adarsh Public School	309
22	14/05/13	Bal Jyoti Public School Lal Kuan	270
23	17/08/2013	Patanjali International College	391
24	22/08/2013	N/S/V Inter College Surana	194
25	27/8/2013	Gurukul The School	366
26	29/8/2013	Cambridge School , indrapuram	422
27	17/09/2013	L/K International School Ghaziabad	364
28	22/2/2014	Modern Academy School	407
29	25/2/2014	D/P/S/G School Dasna	255
30	8/5/2014	Khurampur BKD school	282
31	13/5/2014	Genious public school m/n	387
32	24/6/2014	Aghada	110
33	19/7/2014	Sahani gzb	103
34	5/8/2014	Ingram public school	298
35	19/8/2014	M/D/M School jani	318
36	26/8/2014	Siwalkhas	115
37	4/9/2014	M/R Public School Budhvihar Gzb	208
38	18/9/2014	Sri Sri Tapovan Vidya Mandir, Gzb	379
39	27/9/2014	D/P/S/HRIT Campus, Duhai Gzb	94
40	29/9/2014	D/P/S/HRIT Campus, Duhai Gzb	182
41	30/9/2014	D/A/V Public School Gzb	325
42	9/10/2014	Parthmik Vidhyalaya, Kanavani	280
43	20/11/2014	Modern Academy School	442
44	22/11/2014	Kailash vati Inter college Mohannagar	350

45	24/11/2014	Spring Dale School	156
46	24/11/2014	Thakur Dvara Inter College	389
47	26/11/2014	Thakur Dvara Inter College	368
48	28/11/2014	Kamal Public School SewaNagar	200
49	29/11/2014	Abupur	140
50	3/12/2014	G/D School	350
51	4/12/2014	Kendriya Vidyalaya	412
52	6/12/2014	K/V School Muradnagar	206
53	23/12/2014	Niwari School	365
54	7/2/2015	Little Kingdom Public School Lohianagar	499
55	12/2/2015	Muradnagar Public School Muradnagar	546
56	17/3/2015	Three Dots Public School Sikri	333
57	19/3/2015	Parmik Vidyalaya Sarna	164
58	16/4/2015	Leelawati Ramgopal Intermediat School Gangnagar Muradnagar	466
59	25/4/2015	Mata Rajeshwari Public School	527
60	9/5/2015	Sultanpur	344
61	16/5/2015	E/P/S Pipeline Muradnagar	272
62	2/7/2015	Salamabad	113
63	14/7/2015	Cambrige Public School Indrapuram	440
64	21/7/2015	Cambrige Public School Indrapuram	610
65	1/8/2015	Diamond Public School	300
66	26/8/2015	Greenland Public School Duhai	362
67	19/9/2015	Gov/ School Karnivali Indrapuram	368
68	29/9/2015	S/D/ Global School Gzb	130
69	29/9/2015	Trinity International School Abupur	41
70	15/10/2015	D/A/V School Sahabad	475
71	16/11/2015	H/M Junior High School	324
72	23/11/2015	Spring Field School Loni	424
73	27/11/2015	Piner Public School, Shikandrabad	216
74	11/12/2015	Surevin International School	337
75	11/12/2015	Khaitan Public School Rajendra Nagar	470
76	18/12/2015	School /10 at Noida	4000
77	23/01/2016	Surana School	306
78	30/01/2016	Tapovan Vidya Mandir Indrapuram Gzb	205
79	6/2/2016	Baba high secondry school gzb	307
80	7/2/2016	Vaisha samaj wrd sec 18 Gzb	110
81	18/2/2016	Littlestar International School Akshnagar Indrapuram Gzb	134
82	19/2/2016	Nagarnigam Ballika Highschool/ Sahani	263
83	5/3/2016	Dr. R/M L Public School Nand Gram	277

84	13/4/2016	Major B.K High School Loni	194
85	23/4/2016	Matab National School Chirodi	320
86	14/5/2016	MPS Public School GZB	470
87	19/7/2016	K/C/M Public School Muradnagar	500
88	21/7/2016	Eklavya Public school Muradnagar	402
89	20/8/2016	Modern Public School Muradnagar	537
90	28/9/2016	Genius Public School Muradnagar	619
91	5/10/2016	Deep Memorial School GZB	457
92	17/10/2016	Dehradun public School GZB	335
93	18/10/2016	Dehradun public School GZB	456
94	22/10/2016	DPS School HRIT Duhai	387

Give details of “beyond syllabus scholarly activities” of the department.

Our undergraduate students take up research projects (see point 28) and present paper and poster at various conferences. This is not a part of the DCI curriculum for BDS.

Similarly, postgraduate students conduct a short study in addition to the mandatory dissertation requirements (See Point 28). They also attend continuing education programs, present paper/poster and publish scientific papers beyond their stipulated DCI quota. They also attend workshops and courses conducted by other departments (See Point 9)

State whether the program/ department is accredited/ graded by other agencies? If yes, give details.

All the programs are recognized by the Dental Council of India

Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

Our department has conducted multiple researches in the area of salivary diagnostics to open new avenues for caries risk assessment in children like estimation of nitric oxide levels, trace elements, specific microbes, genetic changes and proteins in saliva.

We have also worked in the area of developing painless dentistry for children and have conducted researches on new local anesthetic agents, new techniques of anesthesia, sedation, minimal invasive dentistry and laser dentistry. Our research interests aim at preventing oral diseases in children and providing pain free dental experience to them.

Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

STRENGTHS

The department is a major referral centre for surrounding areas of Ghaziabad

The department ensures up-gradation to latest equipment and techniques to provide better patient care and clinical teaching

The department has a very good OPD to ensure adequate clinical exposure to the students

The faculty attends regular clinical workshops and courses to improve teaching methods and learn new clinical techniques

Students have access to a resourceful library and internet

WEAKNESS

Regular long term follow up of patients is not possible due to lack of awareness and education among parents

OPPORTUNITIES

Early recognition of dental diseases among children to reduce complications

Enhancement of knowledge to introduce latest concepts

CHALLENGES

To reduce the incidence of dental diseases among children in the surrounding areas

To increase the awareness and educate the parents regarding prevention of dental diseases in children

Future plans of the department.

Establishment of Sedation Dentistry Centre

Development of Hospital Based Dentistry for children with special needs

Increasing Preventive programs for the general population

Conducting CDE Programs

Encouraging research projects related to stem cells

**DEPARTMENT OF ORTHODONTICS & DENTOFACIAL
ORTHOPEDECS**

Name of the Department:

Department of Orthodontics & Dentofacial Orthopedics

Year of

establishment: 2000

Is the Department part of a college/Faculty of the university

Department is part of ITS Dental College, Muradnagar, Ghaziabad which is affiliated to Choudhary Charan Singh University, Meerut.

Names of programs offered (UG, PG, PharmD, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.)

UG- BDS

PG- MDS

Interdisciplinary programs and departments involved

The department regularly collaborates with other specialties to encourage and develop an inter-disciplinary approach to provide holistic care to the patients. Inter-departmental meetings are conducted in the form of case discussions and seminars with Department of Oral Surgery for Orthognathic cases, Department of Pedodontics and Preventive Dentistry for cases requiring interceptive interventions and myofunctional therapy and Department of Periodontics for cases requiring ortho-perio inter-disciplinary approach.

Courses in collaboration with other universities, industries, foreign institutions, etc.

Two post-graduate students from the department attended the Student exchange program with Tufts University, Boston in the year 2015 for a period of three weeks to observe and inculcate the international trends in academics and patient care.

A post-graduate student attended the Comprehensive Implantology Program being conducted in collaboration with Bioner Implants and recognized by ICOI (International Congress of Oral Implantologists).

Details of programs discontinued, if any, with

reasons Nil

Examination System: Annual/Semester/Trimester/Choice Based Credit System

BDS: Annual University Examination System, Internal assessment in each trimester University Exam after 3 years
 MDS: years

Participation of the department in the courses offered by other departments

The post graduate students have been a part of various courses offered by other departments in the college such as:-

Comprehensive Implant course conducted by the Department of Prosthodontics under the following modules:-

- First module: 18-20th July 2016
- Second module: 8-10th August 2016
- Third module: 6-8th September 2016
- Fourth module: 3-6th October 2016

Final year post-graduate students attended the Practice Management workshop conducted by Department of Conservative Dentistry & Endodontics on 27-28th August 2016.

Final year post-graduate students attended the CBCT workshop conducted by the Department of Oral Medicine & Radiology on 21st-23rd September 2016.

All the post-graduate students attended the Pharmaco-vigilance workshop conducted by the Department of Pharmacology on 29th May 2012.

Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned (As per DCI requirement for 2 units)	Filled
Professor	2	2
Associate professor/Reader	4	4
Assistant professor/ Senior lecturer	2	3
Tutor	0	0

Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

For research under guidance refer to Question no. 28

S. No	Name	Qualification	Designation	Specialization	Experience
1.	Dr Payal Sharma	MDS, Diplomate of IBO, M Ortho RCSEd	Professor And Head	Orthodontics	14 Years 10 Months
2.	Dr Piush Kumar	MDS	Professor	Orthodontics	11 Years
3.	Dr Shalaj Bhatnagar	MDS	Associate Professor	Orthodontics	9 Years
4.	Dr Divya Shetty	MDS	Reader	Orthodontics	7 Years 3 Months
5.	Dr Achint Juneja	MDS	Reader	Orthodontics	5 Years 7 Months
6.	Dr Sangamitra Jayna	MDS	Reader	Orthodontics	5 Years 3 Months
7.	Dr Bharti Khanna	MDS	Senior Lecturer	Orthodontics	1 Year, 2 Months
8.	Dr Rishibha Bhardwaj	MDS	Senior Lecturer	Orthodontics	9 Months
9.	Dr Rabinder Kaur	MDS	Senior Lecturer	Orthodontics	3 Months

List of senior Visiting Fellows, adjunct faculty, emeritus professors

Nil

Percentage of classes taken by temporary faculty – program-wise information

There is no temporary faculty associated with the department.

Program-wise Student Teacher Ratio

B.D.S – 1:11
M.D.S- 3:4.5

Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

S. No.	Sanctioned	Filled
--------	------------	--------

Support staff(technical)	3	3
Administrative staff	2	2

Research thrust areas as recognized by major funding agencies

Nil

Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

Nil

Inter-institutional collaborative projects and associated grants received a) National collaboration b) International collaboration

The department participated in a multi-centre study to evaluate the efficiency of a newly designed spring separator (Kansal Separator) in the year 2013.

Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received

Nil

Research facility / centre with :
State recognition
National recognition
International recognition

In-house state-of-the-art research centre is available in the institution, facilities of which are being utilized by the department.

Special research laboratories sponsored by / created by industry or corporate bodies

Nil

Publications:

Number of papers published in peer reviewed journals (national / international)
50 (National 40, International 10)

Year-wise list of publications

2011

Gupta P, Godhi S S, Kukreja P, Bhatnagar S, Lall A B, Singh A, Chabra V - Fibrous Histiocytoma Of The Mandible- A Case Report. J Dent Asso 2011; 5(9): 994-5.

Kochhar R, Uppal M, Bhatnagar S. antibacterial Activity of Restorative Materials - An in vitro study. *J Dent Asso* 2011; 5(8):878-80.

Bhatnagar S, Dhandapani G, Bagga DK. Evaluation of bond failures and shear bond strength in indirect bonding technique using 4 different transfer tray materials: An in vitro study. *J Dent Asso* 2011; 5(5): 595-8.

Juneja A, Sharma P, Bagga DK, Sharma R: An approach to nonextraction therapy using two phase treatment- A case report. *Indian Journal of Dental Specialities and Research* 2011; 29(4): 181-3.

Taneja S, Kumari M, Sharma P. Multidisciplinary treatment of subgingivally fractured maxillary incisors-report of two cases. *Ind J Dent Spec Res* 2011;29 (1)50-53.

Sharma R, Sharma P, Kumar P. Microimplants- Expanding the Scope of Orthodontics. *J Dent Sci Oral Rehab* 2011;1(3):49-52.

Sharma P, Sharma R, Bagga DK. Diagnosis & Orthodontic Management of Impacted Canines: A Review. *Ind J Dent Spec and Res* 29(2):70-5.

Juneja A, Bagga DK, Sharma R, Sharma P. A comparative evaluation of separation effect and perception of pain using two different orthodontic separators. *J IndOrthodSoc* 2011;45(4):183-88.

Agarwal N, Bagga DK, Sharma P. A Comparative Study of Cephalometric Measurements with Digital versus Manual Methods. *J IndOrthodSoc* 2011;45(2):84-90.

Kumar P, Kumar P. Comparison of Fracture Resistance of Enamel Impacted By Natural Dentine And Two Bonded Restorative Materials - An In Vitro Study. *Journal of Dental Science and Oral Rehabilitation* 2011;1(3):41-3.

Kumar P, Kumar P, Kansal S. Bilateral Synodontia of Primary Central and Lateral incisors. *Journal of Dental Science and Oral Rehabilitation* 2011;1(3):57-8.

2012

Shetty D, Gupta A, Dhanapal R: Mast Cell Stabilizers in Persistent Non-Specific Gingival hyperplasia. *Journal of Pierre Fauchard Academy*: 2012; 26;108-11.

Shetty D, Shetty DC, Singh HP, Aggarwal P: Tuberculosis lymphadenitis presenting a diagnostic dilemma. *International Journal of Health & Allied Sciences* 2012;1(2);118-21.

Shetty D, Sharma S, Shetty DC: Awareness of HIV/AIDS among the urban and rural young adults of western Uttar Pradesh-Original research. *Journal of Contemporary Dental Sciences* 2012; 1(4);1-9.

Tangri K, Kumar P, Sharma P, Kiran K, Bagga DK, Sharma R. A comparison of the accuracy of 0.022 slots at face, base and mesial and distal surface of brackets marketed by different manufacturers. *J IndOrthodSoc* 2012;46(3):132-136.

Sharma R, Sharma P, Kumar P, Kumar P. Non-syndromal Multiple Supernumerary Premolars in Sibling-A case report. *Indian Journal of Dental Science* 2012;4(3)78-80.

Grover S, Sidhu MS, Prabhakar M, Jena S, Soni S. Evaluation of fluoride varnish and its comparison with pumice prophylaxis using self-etching primer in orthodontic bonding—an in vivo study. *Eur J Orthod*.2012: 34 ;198–201.

2013

Shetty D, Juneja A, Jain A, Khanna KS, Pruthi N, Gupta A, Chowdhary M. Assessment of palatal rugae pattern and their reproducibility for application in forensic analysis. *J forensic Dent Sci* 2013;5:106-9. (PUBMED Indexed)

Puri A, Kalha S A, Chandana KA, Bhatnagar S, Singla A, Roy SA. Cone beam computed tomography- How does it make a difference in Orthodontic Treatment planning. *Baba Farid Dent J* 2013;4(1):137-40.

Kansal S, Kumar P, Singh G, Raghav P, Thareja V. Kansal's Retainer: A Removable, Tooth-Borne Orthodontic Retainer. *J IndOrthodSoc* 2013;47(4):353-356.

Kumar P, Nayak R, Tan KFH, Mohan KA, Pasha A. Bracket bond strength with transillumination of a light activated orthodontic adhesive and the effect of curing time and tooth thickness on it. An in- vitro study. *J IndOrthodSoc* 2013;47(3):148-153.

Kumar P, Mehtani S, Singh T. The Bluegrass appliance and its modification. *Dent Tech* 2013;4(1)18-21.

Gupta A, Sharma R, Kumar P, Chandra PK. Effect of pharmacological agents on orthodontic tooth movement *J Pharm Biomed Sci*. 2013, March;28(28):688-94.

Kansal S, Singh G, Kumar P, Kire K. Clinical Aid A Self-Secured Spring Separator. *J ClinOrthod* 2013;46 (12):747-48. (PUBMED Indexed)

Singh V, Kumar P, Sharma P. Achieving excellence in finishing with micro implants in orthodontics- A case report. *Healtalk* 2013; 5(5): 45-46.

Singh V, Sharma P, Kumar P, Chandra P, Sharma R, Verma R. Evaluation of the Anteroposterior relationship of maxillary central incisors to the forehead in profile. *Dental Specialities* 2013;1(2):13-20.

Gupta P, Chandra PK, Sharma P. Ultrasonography in Orthodontics: A Review. *Heal talk* 2013;5(6):45-46

Shetty D, Bagga DK, Goyal S, Sharma P. A cephalometric study of various horizontal reference planes in natural head position. *J IndOrthod Soc*:2013: 47(3): 143-47.

Sharma P, Singh T, Kumar P, Chandra PK, Sharma R. Sex determination potential of permanent maxillary molar widths and cusp diameters in a North Indian population. *J OrthodSci* 2013;2:55-60.

Vij D, Sharma P, Kumar P, Chandra PK, Sharma R. Evaluation of a digital method of study model analysis. *Dental Specialities* 2013; 1(1): 22-28.

Kumar P, Singh V, Kumar P, Sharma P, Sharma R. Effects of premolar extractions on Bolton overall ratios and tooth size discrepancies in a north Indian population. *J Orthod Science*. 2013; 2(1): 23-27.

Kapoor KK, Sharma P, Kumar P, Chandra PK, Sharma R. Non-compliance treatment of class II Malocclusion using fixed functional Appliance-A case report. *Baba Farid Dent. J.* 2013; 4(1): 113-18.

Bhatnagar S, Bagga DK, Sharma P, Kumar P, Sharma R, Singh V. Infection control strategy in orthodontic office. *Eur J Gen Dent* 2013;2:1-7.

2014

Bhagat A, Goel M, Batra P, Chugh RK. Mandibular molar protraction with Orthodontic Temporary Anchorage Device: A Case Report. *Indian Journal of Clinical Practice* 2014; 25: 338-341.

Batra P, Prasad S, Kumar N, Goel M, Sonar S, Bhalla K. Modified Casted Appliance for Surgically Assisted Rapid Palatal Expansion: A Clinical Report. *The Journal of Indian Orthodontic Society* 2014; 48: 138-142.

Batra P, Chugh RK, Kumar A, Goel M. Interdisciplinary Treatment of periodontally Compromised Dentition: A Case Report. *Heal Talk* 2014; 6: 43-45.

Yadav RS, Mahajan T, Sangur R, Chauhan M, Sahare P, Bhardwaj R. Life like silicone thumb prosthesis overcoming a social stigma: A case report *International Journal of enhanced research in medical and dental case* 2014,2(9):1-7.

Shankar R, Chauhan M, Matsyapal C, Bhardwaj R. Computer aided photogrammetric analysis of dental and facial midline relationship: A clinical study. *International Journal of Scientific Study* 2014,2(9).

Wilcock A, Kansal S, Singh G, Raghav P, Kumar P, Kumar A. The Kansal Separator: In Search of "A Better Mouse Trap". *Archives CranioFac Study* 2014;2(1):100-03.

Kumar A, Kansal S, Thareja V, Singh G, Kumar P. The biomechanics of Kansal Separator: A '2 in 1' self-secured orthodontic spring separator. *J OrthodontSci* 2014;3:12-6.

Singh V, Sharma P, Kumar P, Bagga D, Sharma R, Kumar P. Evaluation of Antero-posterior Relationship of Maxillary Central Incisors to a Soft Tissue Plane in Profile Analysis. *J IndOrthodSoc* 2014;48(3):180-83.

Juneja A, Sharma P, Shetty D, Verma T. Extraction vs Non-extraction approach to Class II division 2 malocclusion treatment: Case reports. *Journal of Dental Specialities*. 2014; 2(1):61-67.

2015

- Nayak RS, Khanna B, Pasha A, Vinay K, Narayan A, Chaitra K. Evaluation of nickel and chromium ion release during fixed orthodontic treatment using inductively coupled plasma-mass spectrometer: An in Vivo Study. *J Int Oral Health* 2015;7(8):1-7.
- Mamatha KR, Chaitra, Renji K Paul, Perin George, J Anitha, Khanna B. cone beam computed tomography-Dawn of a new imaging modality in orthodontics. . *J Int Oral Health* 2015;S(1):96-9.
- Nayak RS, Valecha S, Pasha A Mamatha J, Khanna B, Shafiuddin B. A comparison of shear bond strength of new nano-filled composite and nano-ionomer Restorative materials with traditional adhesive material for Orthodontic bracket bonding: An in vitro study. *J Int Oral Health* 2015;7(10):1-7.
- Anand A, Sharma A, Kumar P, Sandhu M, Sachdeva S, Sachdev V. Comparative study of biodegradation of Nickel and Chromium from Space Maintainers: an in-vitro study. *Int J ClinPediatr Dent.* 2015;8(1):37-41.
- Malhotra P, Sethi N, Gupta N, Kumar P, Singh V. Gingival pigmentation: As Pink as you can think- A case series. *Heal Talk* 2015; 7(3):38-40.
- Kumar P, Sharma R, Saroha K, Sharma P, Singh V. Effect of different contaminants on the shear bond strength of a newly introduced self-etch adhesive system used with moisture protective barrier. - An in-vitro study. *J Dent Specialities.*2015;3(1)54-59.
- Ganapathy S, Sharma K, Jena S. Single visit apexification of an immature non vital tooth. *Endodontology*,2015;27(2):142-5.

2016

- 50) Kaur R, Kumar P, Sharma P, Bhatnagar S. Evaluation of frictional forces generated in retrieved aesthetic wires with different ligation methods. *J Dent Specialties.* 2016;4(1):26-30.
- 51) Pratik, Singh RR, Bhardwaj R, Tuteja G, Harsiman, Bhadauria AS. Prevalence of malocclusion among Kanpur adolescents. *International Journal of scientific research* 2016,5(5):331-3.
- 52) Pratik, Arora A, Sachan A, Parihar A, Singh A, Bhardwaj R. Cephalometric evaluation of pharyngeal airway dimension in different maxillomandibular sagittal relationship: A cephalometric study. *International Journal of Scientific Research* 2016,5(3):672-5.
- 53) Narendra S, Jena S, Satpathy A. Surgical Procedure for Orthognathic Correction of Class 2 Skeletal Dentofacial Deformities at Dental Office Setting. *J Int Oral Health* 2016; 8(1):1-6

- **Monographs:** Nil
- **Chapters in Books:** Nil

- **Books edited:** Nil
- **Books with ISBN with details of publishers:** Nil

Numbers listed in International database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database- International Social Sciences Directory, EBSCO host, Medline, etc.)

All the publications are listed in International database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database- International Social Sciences Directory, EBSCO host, Medline, etc.)

Citation Index

Faculty	Citations since 2011	No. of Publications	Avg.	Range	Dept. Avg.
DrPayal	18	23	0.78	0.0-2.5	1.34
DrPiush	19	25	0.76		
DrShalaj	8	7	1.14		
DrDivya	8	6	1.33		
DrAchint	10	4	2.5		
Dr. Sanghamitra	3	3	1		
DrBharti	4	3	1.33		
DrRishibha	0	4	0		
DrRabinder	0	1	0		

SNIP

SJR

Impact factor- range/ average

H-Index

Faculty	H-Index
DrPayal Sharma	3
DrPiush Kumar	3
DrShalajBhatnagar	2
DrDivyaShetty	1
DrAchintJuneja	2
Dr. Sanghamitra	1
DrBhartiKhanna	1
DrRishibhaBhardwaj	0
DrRabinderKaur	0
Total	13

H-Index- 13

Range - 0-3

Average- $13/9 = 1.4$

23. Details of patents and income generated

Same as number 24

24. Areas of consultancy and income generated

	2016	2015	2014
Number of patients	21974	21396	20228
Income generated	18,30,450	19,34,210	12,14,100

25. Faculty selected nationally/ internationally to visit other laboratories/ institutions/ industries in India and abroad

DrPayal Sharma went to the National Hospital, Colombo to appear for the Membership in Orthodontics Examination conducted by the Royal College of Surgeons of Edinburgh.

26. Faculty serving in a) National committees b) international committees c) Editorial boards d) Any other (specify)

DrPayal Sharma- Reviewer of Journal of Dental Specialties

DrPiush Kumar- Executive Editor of Journal of Dental Specialties

27. Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs).

The faculty members regularly attend and are actively involved in leadership programs, teacher training workshops and CDE programs. Following is a detailed list of programs attended by the faculty

Dr. Payal Sharma

- Organized and attended workshop on ‘_Case Planning in Orthognathic Surgery: An evolving science’ at I.T.S Dental College, Muradnagar, India in May, 2016.
Attended 1st India Symposium on Damon self-ligation system organized by Ormco in New Delhi, 2016.
Attended the Conference and Chaired a session in the Indian Dental Student Conference held at I.T.S Centre for Dental Studies and Research, Ghaziabad in Mar, 2016.
Organized and attended lecture and hands-on course on ‘_Clinical Photography and Imaging’ by Dr. Akhter Husain held at I.T.S Centre for Dental Studies and Research, Ghaziabad in Jan, 2016.
Attended a —Leadership Skills Workshop held at I.T.S. —Centre for Dental Studies & Research, Muradnagar on 20th Jan, 2016.
Attended the Conference and Chaired a session in the 50th Indian Orthodontic Conference held at Hyderabad, India in Dec, 2015.

Attended the Conference and Chaired a session in 28th Indian Society for Dental Research Conference held I.T.S Centre for Dental Studies and Research, Ghaziabad in Nov, 2015.

Attended a lecture on Current Opinions in management of Bio-films and Periodontal diseases on 24th September 2015 at ITS-CDSR Muradnagar.

- Attended 3-day workshop on Teacher training at I.T.S Dental College, Greater Noida from 17-19th October, 2015.
- Attended CDE program on Damon System and Accelerated Orthodontics held at I.P Dental College, Ghaziabad in Aug, 2015.
- Attended lecture program on ‘Powerscope’ held at New Delhi in Aug, 2015.
- Attended CDE on ‘Orthodontics-Raising the Bar’ held at Chandigarh, India in July, 2015.
- Attended a CDE titled Mission Impossible - How to make high-risk cases to normal to handle, simplifying difficult cases in oral implantology conducted by Dr. Ronen Bordovski from Israel and sponsored by Mirell Dental Implant system. The CDE was held at I.T.S.- CDSR Muradnagar Ghaziabad on 27th March 2015.

Attended a symposium on Oral cancers on 10th April 2015 at I.T.S-CDSR Muradnagar. The lectures were Advances in Surgical management of Oral Cancers by Dr. UmangMithal, Targeted Radiotherapy: Need of the hour by Dr. Sudarsan De and Targeted therapy in Oral Cancers by Malay Nandy. All the lecturers were from Galaxy Cancer institute New Delhi.

Attended a guest lecture on Oral Cancer Management by Dr. Prabhat Gupta from Dharamshila Hospital and Research Center on

Attended the 16th IACDE and IES conference held at I.T.S. Centre for dental studies and research from 4th -6th June 2015.

Attended the 4th Insight into Orthodontic Post- Graduate Examination held at JamiaMilliaIslamia, New Delhi in Feb, 2015.

Attended the Alumni Conference held at SumandeepVidyapeeth, Gujarat in Jan, 2015.

Attended the CDE ‘Clinical Pearls in Orthodontics- An IBO Awareness Programme’ held at SGT University, Gurgaon in Jan, 2015.

Attended a lecture on Prevention and Maintenance of periodontal disease and health by Dr. Ajay Kakar on 12th Jan 2015 at I.T.S.-CDSR.

Attended one-day workshop on ‘Current Trends in Education & IQA’ held at I.T.S Centre for Dental Studies and Research, Muradnagar in Dec, 2014.

Attended workshop on ‘Bioethics in Clinical Research’ organized by I.T.S Ethics Committee in September, 2014.

Attended the Conference and Chaired a session in the International Conference of Dental Specialties held at I.T.S Centre for Dental Studies and Research, Muradnagar in May, 2014.

Participated in the 3rd 'Insight into Orthodontic Post Graduate examination' held at Faculty of Dentistry, Jamia Millia Islamia in Feb, 2014 at New Delhi.

Attended the Conference and Chaired a session in 48th Indian Orthodontic Conference in Nov, 2013 held at Ahmedabad, India. Attended a preconference course on —3D Virtual Maxillofacial Surgery Planning on 6th September 2013 at I.T.S. Dental College, Greater Noida.

Attended and was part of the organizing team for the IDA student's national conference held at I.T.S.-CDSR on 23rd and 24th November 2013.

Attended CDE course on —Biomechanics Simplified at I.T.S Centre for Dental Studies and Research, Ghaziabad in Sept, 2013.

Participated in 11th National Triple —Oll Symposium and attended a preconference course on —3D Virtual Maxillofacial Surgery Planning on 6th September 2013 organized by I.T.S. Dental College Muradnagar and I.T.S. Dental College Greater Noida.

Attended a certified hands on course on —Zygomatic Implants-Surgical and Prosthetic Concepts conducted by Nobel Biocare at I.T.S. Dental College and endorsed by Association of Oral and Maxillofacial Surgeons of India on 11th and 12th August 2013.

Attended lecture on 'The 21st Century Esthetic Patient' by Dr. Lars Christensen held at I.T.S Centre for Dental Studies and Research, Greater Noida in July, 2013.

Attended the —15th Postgraduate convention of Prosthodontics held at I.T.S. Dental College, Muradnagar from 14th -16th June 2013.

Attended CDE program on 'Insight into Orthodontic Post-Graduate Examination' held at Faculty of Dentistry, Jamia Millia Islamia, New Delhi in Feb, 2013.

Attended lecture on 'Orthognathic Surgery in Cleft Patients' by Dr. Klara Marcusson at IDST, Modinagar in Jan, 2013.

Attended CDE programme held at I.T.S Centre for Dental Studies and Research, Ghaziabad in by Pierre Fauchard Academy in Dec, 2012.

Attended the 26th PFA-Colgate CDE Programme organized by Pierre Fauchard Academy at I.T.S.-CDSR Muradnagar on 15th

Attended 10th national conference of Indian association of Forensic Odontology held at I.T.S.-CDSR Muradnagar on 7th, 8th and 9th September 2012.

Attended a Future Dental Professionals Program organized by

Attended symposium on 'Functional Occlusion' held at IDST Dental College, Modinagar, India in Aug, 2012.

Attended a guest lecture on —Laser for Dental Professional on 30th July 2012 held at I.T.S.-CDSR Muradnagar.

Attended a lecture on —Multi-FOV Dentomaxillofacial CBCT: A firsthand account conducted by Dr. Sharad Sahay at I.T.S. Dental College Muradnagar on 9th January 2012.

Attended a workshop on —Pharmacovigilance and Basic life support on 29th May 2012 in the Department of Pharmacology at I.T.S.-CDSR Muradnagar

Dr. Piush Kumar

Attended the 1st National Dental Bioethics conference at Santosh University Ghaziabad on 18th -19th Nov 2016

Attended a —Leadership Skills Workshop held at I.T.S. –Centre for Dental Studies & Research, Muradnagar on 20th Jan, 2016.

Organized, chaired a session and attended hands on course on clinical photography by Dr. AkhtarHusein on 22nd Jan 2016. The course was organized by Dept. of Orthodontics ITS dental College in association with OSGOD and was held at ITS dental college.

Organized, chaired a session and attended Indian Dental Student Conference-2016 held at ITS-CDSR from 15th – 16th March 2016.

Attended a CDE on Case planning in orthognathic surgery-An evolving science at I.T.S. Muradnagar on 19th -20th May, 2016.

Attended a lecture on Prevention and Maintenance of periodontal disease and health by Dr. Ajay Kakar on 12th Jan 2015 at I.T.S.-

Attended the 4rd Insight in Postgraduate Examination at JamiaMilia College in Delhi on 11th February 2015.

Attended and chaired a session in the 19th IOS PG Students convention held at NIMHANS convention centre Bangalore from 26th Feb to 1st March 2015.

Attended a CDE titled Mission Impossible- How to make high-risk cases to normal to handle, simplifying difficult cases in oral implantology conducted by Dr. Ronen Bordovski from Israel and sponsored by Mirell Dental Implant system. The CDE was held at I.T.S.- CDSR Muradnagar Ghaziabad on 27th March 2015.

Attended a symposium on Oral cancers on 10th April 2015 at I.T.S-CDSR Muradnagar. The lectures were Advances in Surgical management of Oral Cancers by Dr. UmangMithal, Targeted Radiotherapy: Need of the hour by Dr. Sudarsan De and Targeted therapy in Oral Cancers by Malay Nandy. All the lecturers were from Galaxy Cancer institute New Delhi.

Attended a guest lecture on Oral Cancer Management by Dr. Prabhat Gupta from Dharamshila Hospital and Research Center on 24th April 2015 at I.T.S.-CDSR Muradnagar.

Attended the 16th IACDE and IES conference held at I.T.S. Centre for dental studies and research from 4th -6th June 2015.

Attended a webinar on State of the Art in Orthodontic Bonding 2014 - Direct Bonding by Dr. Fredrik Bergstrand on 16th July 2015.

Attended hands on course on Fundamentals in Photography by Dr. KuldeepDmello at AIIMS on 11th September 2015.

Attended a Lecture on Scope of Dentistry in North America and Practice management tips by Dr Shakti Singh from University of Toronto Canada on 17th September 2015 at ITS-CDSR Muradnagar.

Attended a lecture on Current Opinions in management of Bio-films and Periodontal diseases on 24th September 2015 at ITS-CDSR Muradnagar.

Attended a webinar on Variable Prescription Orthodontics: The Concept and its Application Dr. Anoop Sondhi on 25th September 2015.

Attended a national workshop on How to get grade A in NAAC on 16th October 2015. The workshop was conducted by Alert Knowledge Services.

Organized, chaired a session and attended the 28th annual conference of International Society of Dental Research held at ITS-CDSR from 20th – 22nd November 2015.

Attended 18th Indian Orthodontic Society Postgraduate convention from 27th February to 2nd March 2014 at Subharti Dental College Meerut.

- Attended a CDE titled —International Conference of Dental Specialities on 9th and 10th May 2014 at I.T.S. Centre for Dental Studies and Research Muradnagar.

Attended a Workshop on Bioethics in Clinical Research organized by I.T.S. Institutional Ethics Committee held at I.T.S. Dental

Attended a lecture by Dr. R A Yadav on the teaching protocols followed in India and the improvements required on 7th November 2014.

- Attended a webinar on Orthodontic Finishing and Arch Coordination with the MBT™ Versatile+ Appliance System by Dr. John McDonald on 21st November 2014.

Attended a workshop on current trends in education and IQA hosted by I.T.S. Dental College Muradnagar on 20th December 2014.

Attended a lecture on —Orthognathic Surgery In Cleft Patients conducted by Dr. Klara Agneta Maria Marcusson at I.D.S.T.,

Participated in the Continuing Dental Education workshop on ‘An Update On Cad/Cam Based Lingual Orthodontics – Lingual Matrix’ by Dr. Pravin Shetty held under the aegis of Meerut Orthodontic Study Group at Subharti Dental College, Meerut on 28th January, 2013.

Attended the 12th postgraduate convention ‘Perio-rang’ organized by Indian society of periodontology and held at I.T.S- Greater Noida from 1st -3rd March 2013.

Attended the 10th postgraduate convention of ISPPD held at Siri Fort Auditorium New Delhi from 14th -16th March 2013.

Attended lecture on —2D & 3D Radiology in Dental Practice by Dr. Sharad Sahai & —Treatment Planning in Dental Implants by Dr. G.K. Gupta organized by Indian Dental Association North-West Delhi Branch at Maharaja Agrasen Hospital Punjabi Bagh, New Delhi on 24th March 2013.

Attended the —15th Postgraduate convention of Prosthodontics held at I.T.S. Dental College, Muradnagar from 14th -16th June 2013.

- Attended a CDE titled Multispeciality Dentistry The Way Forward Organized by AIIMS, SGT Dental College & University of Detroit Mercy, Michigan held at JLN stadium New Delhi on 21st April 2013.

Attended a certified hands on course on —Zygomatic Implants-Surgical and Prosthetic Concepts conducted by Nobel Biocare at I.T.S. Dental College and endorsed by Association of Oral and Maxillofacial Surgeons of India on 11th and 12th August 2013.

Participated in 11th National Triple —O Symposium and attended a preconference course on —3D Virtual Maxillofacial Surgery Planning on 6th September 2013 organized by I.T.S. Dental College Muradnagar and I.T.S. Dental College Greater Noida.

Organized and attended CDE titled —Biomechanics Simplified on 24th September 2013 at I.T.S. Centre for Dental Studies and Research Muradnagar. The course faculty included Dr. Jayesh S Rahalkar and Dr. Chetan V Jayade.

Attended and was part of the organizing team for the IDA student's national conference held at I.T.S.-CDSR on 23rd and 24th November 2013.

Attended a lecture on —Multi-FOV Dentomaxillofacial CBCT: A firsthand account conducted by Dr. Sharad Sahay at I.T.S. Dental College Muradnagar on 9th January 2012.

Attended a lecture on —Evolution of CLP Protocol and Secondary Procedures conducted by Dr. Jan Lilja at I.D.S.T. Modinagar on 23rd Jan 2012.

Attended an online CE by Dr. Lisa Alvetro titled —Management of Class II Deep Bites (with Forsus™ Class II Correctors) - Part II on 5th February 2012.

Attended an online CE by Dr. Caryann Schoenfeld titled —Toward Better Impressions: Chairside with Incognito™ Appliance System on 5th February 2012.

Attended a lecture on "Lasers in Dentistry – An Update on current trends & future scope" by Dr. Vipul Srivastava, organized by IDA West Delhi Branch in collaboration with Dentsply on 18th March, 2012 at New Delhi from 9 am onwards.

Attended a workshop on —Pharmacovigilance and Basic life support on 29th May 2012 in the Department of Pharmacology at I.T.S.-CDSR Muradnagar.

Attended an online CE by Dr. Lisa Alvetro titled —Variations in Forsus™ Class II Correctors - Part IV: Controlling the Maxillary Vertical Dimension and Utilizing the Forsus Appliance for Dental Distalization on 11th June 2012.

Attended an online CE by Dr. Robert Waugh titled —Making a Smart Move in Self-Ligation on 12th June 2012.

Attended a guest lecture on —Laser for Dental Professional on 30th July 2012 held at I.T.S.-CDSR Muradnagar.

Attended an online CE by Dr. John McDonald titled —MBT™ Versatile+ Appliance System Lacebacks and tiebacks on 8th August 2012.

Attended a CDE termed 'Post and Core restorations-A day with the Masters' by Dr. T.V.Padmanabhan on 2nd August 2012 at Indian Habitat Centre, New Delhi.

Attended an online CE by Dr. Fredrik Bergstrand titled —State of the Art in Orthodontic Bonding - Direct Bonding: Problem Solving and Clinical Tips on 13th August 2012.

Attended 10th National Conference of Indian association of Forensic Odontology held at I.T.S.-CDSR Muradnagar on 7th, 8th and 9th September 2012.

Attended a Future Dental Professionals Program organized by Colgate at I.T.S.-C.D.S.R on 30th October 2012.

Attended the 8th Asia Pacific Orthodontic Conference and 47th Indian Orthodontic Conference held at hotel Ashok New Delhi from 29th November to 2nd December 2012.

Attended the 26th PFA-Colgate CDE Programme organized by Pierre Fauchard Academy at I.T.S.-CDSR Muradnagar on 15th December 2012.

Dr. Shalaj Bhatnagar

Attended hands on course on clinical photography by Dr. Akhtar Husein on 22nd Jan 2016. The course was organized by Dept. of Orthodontics ITS dental College in association with OSGOD and was held at ITS dental college.

Attended Indian Dental Student Conference-2016 held at ITS-CDSR from 15th – 16th March 2016.

- Attended —The world of digital and customized lingual Orthodontics workshop on 2nd April, 2016 at I.T.S Dental College, Greater Noida.

Attended a CDE on Case planning in orthognathic surgery-An evolving science at I.T.S. Muradnagar on 19th-20th May, 2016.

Attended a lecture on Prevention and Maintenance of periodontal disease and health by Dr. Ajay Kakar on 12th Jan 2015 at I.T.S.-CDSR.

Attended a CDE titled Hands on Experience and Workshop on Autoceph held at NIMHANS convention centre Bangalore on 26th

Attended the 19th IOS PG Students convention held at NIMHANS convention centre Bangalore from 26th Feb to 1st March 2015.

Attended a CDE titled Mission Impossible- How to make high-risk cases to normal to handle, simplifying difficult cases in oral implantology conducted by Dr. Ronen Bordovski from Israel and sponsored by Mirell Dental Implant system. The CDE was held at I.T.S.- CDSR Muradnagar Ghaziabad on 27th March 2015.

Attended a symposium on Oral cancers on 10th April 2015 at I.T.S-CDSR Muradnagar. The lectures were Advances in Surgical management of Oral Cancers by Dr. Umang Mithal, Targeted Radiotherapy: Need of the hour by Dr. Sudarsan De and Targeted

therapy in Oral Cancers by Malay Nandy. All the lecturers were from Galaxy Cancer institute New Delhi.

Attended a guest lecture on Oral Cancer Management by Dr. Prabhat Gupta from Dharamshila Hospital and Research Center on

Was part of the organizing team for the 16th IACDE and IES conference held at I.T.S. Centre for dental studies and research from 4th -6th June 2015.

Attended the 16th IACDE and IES conference held at I.T.S. Centre for dental studies and research from 4th -6th June 2015.

Attended a webinar on State of the Art in Orthodontic Bonding 2014 - Direct Bonding by Dr. Fredrik Bergstrand on 16th July 2015.

Attended a Lecture on Scope of Dentistry in North America and Practice management tips by Dr Shakti Singh from University of Toronto Canada on 17th September 2015 at ITS-CDSR Muradnagar.

Attended a lecture on Current Opinions in management of Bio-films and Periodontal diseases on 24th September 2015 at ITS-CDSR Muradnagar

Attended a webinar on Variable Prescription Orthodontics: The Concept and its Application Dr. AnoopSondhi on 25th September 2015.

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Chaired a scientific session at the —18th Indian Orthodontic Society Postgraduate convention on 28th February 2014 at Subharti Dental College Meerut.

Attended a Workshop on Bioethics in Clinical Research organized by I.T.S. Institutional Ethics Committee held at I.T.S. Dental College Muradnagar on 1st September 2014.

Attended a lecture by Dr. R A Yadav on the teaching protocols followed in India and the improvements required on 7th November 2014.

Attended a workshop on current trends in education and IQA hosted by I.T.S. Dental College Muradnagar on 20th December 2014.

Attended and was part of the organizing team for the IDA student's national conference held at I.T.S-CDSR on 23rd and 24th November 2013.

Dr. Divya Shetty

Attended lecture and hands-on course on 'Clinical Photography and Imaging' by Dr. Akhter Husain held at I.T.S Centre for Dental Studies and Research, Ghaziabad in Jan, 2016

Attended the Indian Dental Student Conference held at I.T.S

Centre for Dental Studies and Research, Ghaziabad in Mar, 2016.

Attended workshop on 'Case Planning in Orthognathic Surgery: An evolving science' at I.T.S Dental College, Muradnagar, India in May, 2016.

Attended a lecture on Prevention and Maintenance of periodontal disease and health by Dr. Ajay Kakar on 12th Jan 2015 at I.T.S.-CDSR.

Attended a guest lecture on Oral Cancer Management by Dr. Prabhat Gupta from Dharamshila Hospital and Research Center on 24th April 2015 at I.T.S.-CDSR Muradnagar.

Attended the 16th IACDE and IES conference held at I.T.S. Centre for dental studies and research from 4th -6th June 2015.

Attended 28th Indian Society for Dental Research Conference held I.T.S Centre for Dental Studies and Research, Ghaziabad in Nov, 2015.

Participated in the International Conference of Dental Specialties held at I.T.S Centre for Dental Studies and Research, Muradnagar in May, 2014.

Attended a Workshop on Bioethics in Clinical Research organized by I.T.S. Institutional Ethics Committee held at I.T.S. Dental College Muradnagar on 1st September 2014

Attended a lecture by Dr. R A Yadav on the teaching protocols followed in India and the improvements required on 7th November 2014.

Attended a workshop on current trends in education and IQA hosted by I.T.S. Dental College Muradnagar on 20th December 2014.

Attended CDE course on —Biomechanics Simplified at I.T.S Centre for Dental Studies and Research, Ghaziabad in Sept, 2013

Attended and was part of the organizing team for the IDA student's national conference held at I.T.S-CDSR on 23rd and 24th November 2013.

Attended the —15th Postgraduate convention of Prosthodontics held at I.T.S .Dental College, Muradnagar from 14th -16th June 2013.

Attended 10th national conference of Indian Association of Forensic Odontology held at I.T.S Centre for Dental Studies and

Attended CDE programme held at I.T.S Centre for Dental Studies and Research, Ghaziabad by Pierre Fauchard Academy in Dec, 2012.

Dr Achint Juneja

Attended workshop on 'Case Planning in Orthognathic Surgery: An evolving science' at I.T.S Dental College, Muradnagar, India on 19th-20th May, 2016.

Attended the Indian Dental Student Conference held at I.T.S Centre for Dental Studies and Research, Ghaziabad in Mar, 2016.

- Attended hands on course on Clinical photography by Dr. AkhtarHusein on 22nd Jan 2016. The course was organized by

Dept. of Orthodontics ITS dental College in association with OSGOD and was held at ITS dental college.

Attended the 28th International Society of Dental Research held at ITS-CDSR from 20th – 22nd November 2015.

Attended a lecture on Current Opinions in management of Bio-films and Periodontal diseases on 24th September 2015 at ITS-CDSR Muradnagar.

Attended a Lecture on Scope of Dentistry in North America and Practice management tips by Dr Shakti Singh from University of Toronto Canada on 17th September 2015 at ITS-CDSR Muradnagar.

Attended lecture program on ‘Powerscope’ held at New Delhi in

Attended CDE program on Damon System and Accelerated Orthodontics held at I.P Dental College, Ghaziabad in Aug, 2015.

Attended the 16th IACDE and IES conference held at I.T.S. Centre for dental studies and research from 4th -6th June 2015.

Attended a guest lecture on Oral Cancer Management by Dr. Prabhat Gupta from Dharamshila Hospital and Research Center on 24th April 2015 at I.T.S.-CDSR Muradnagar.

Attended a symposium on Oral cancers on 10th April 2015 at I.T.S- CDSR Muradnagar. The lectures were Advances in Surgical management of Oral Cancers by Dr. UmangMithal, Targeted Radiotherapy: Need of the hour by Dr. Sudarsan De and Targeted therapy in Oral Cancers by Malay Nandy. All the lecturers were from Galaxy Cancer institute New Delhi.

Attended a CDE titled Mission Impossible- How to make high-risk cases to normal to handle, simplifying difficult cases in oral implantology conducted by Dr. Ronen Bordovski from Israel and sponsored by Mirell Dental Implant system. The CDE was held at I.T.S.- CDSR Muradnagar Ghaziabad on 27th March 2015.

Attended Guest lecture on —Prevention of Periodontal Diseases and Maintenance of Oral Hygiene on 12th January 2015 by Dr. Ajay Kakkar organized by Oral – B and Bitein at I.T.S Centre for Dental Studies and Research, Muradnagar Ghaziabad.

Attended workshop on —Current Trends in Education and IQA on 20th December 2014 at I.T.S Centre for Dental Studies and

Attended a lecture by Mr. R.A.Yadav, Former Chairman, All India Council of Technical Education held at ITS-CDSR, Muradnagar on 8th Nov, 2014.

Attended a lecture on —Current opinion in the management of biofilm & Periodontal diseases organized by the Indian society of Periodontology in association with Listerine.

Won the consolation prize for the poster presentation in the —International Conference of Dental Specialities held at ITS-CDSR, Muradnagar, Ghaziabad on 9th & 10th May 2014.

Attended the —International Conference of Dental Specialities held at ITS-CDSR, Muradnagar, Ghaziabad on 9th & 10th May 2014.

Attended the —International Conference of Dental Specialities held at ITS-CDSR, Muradnagar, Ghaziabad on 9th & 10th May 2014.
Chaired the scientific session during —18th IOS PG convention held at Subharti Dental College, Meerut from 27th February to 2nd march 2014.
Attended the —18th IOS PG convention held at Subharti Dental College, Meerut from 27th February to 2nd march 2014.
Chaired the scientific session during —Indian Dental Student Conference held at ITS-CDSR, Muradnagar, Ghaziabad on 23rd & 24th, November 2013.
Attended the —Indian Dental Student Conference held at ITS-CDSR, Muradnagar, Ghaziabad on 23rd & 24th, November 2013.
Attended the CDE on —Biomechanics simplified held at ITS-CDSR, Muradnagar, Ghaziabad on 24th, September 2013.
Attended a CDE titled —Functional occlusion held at IDST Modinagar on 27 Aug 2012
Attended a CDE titled —CAD CAM based lingual orthodontics held at Subharti dental college, Merrut on 30th jan.2013
Attended 10th National conference of Forensic odontology held at ITS- CDSR Muradnagar on 7th – 9th Sep 2012
Attended a CDE titled —Pharmacovigilance and Basic life support held at ITS-CDSR Muradnagar on 29th May 2012
Attended Faculty Development workshop titled —New Age skills for dental educators held at I.T.S Dental College Greater Noida, on 24th March 2012.

Dr. BhartiKhanna

Attended lecture and hands-on course on ‘Clinical Photography and Imaging’ by Dr. Akhter Husain held at I.T.S Centre for Dental

Attended the Indian Dental Student Conference held at I.T.S Centre for Dental Studies and Research, Ghaziabad in Mar, 2016.

- o Attended —The world of digital and customized lingual Orthodontics workshop on 2nd April, 2016 at I.T.S Dental College, Greater Noida.
TORQUE -2016 Quiz & CDE At Manav Rachna Dental College

Attended 28th Indian Society for Dental Research Conference held I.T.S Centre for Dental Studies and Research, Ghaziabad in Nov, 2015.

Dr. RishibhaBhardwaj

Attended workshop on ‘Case Planning in Orthognathic Surgery: An evolving science’ at I.T.S Dental College, Muradnagar, India on 19th-20th May, 2016.

Dr. RabinderKaur

Attended 1st National Dental Bioethics conference at Santosh University Ghaziabad on 18th -19th Nov 2016

Student projects

Percentage of students who have taken up in-house projects including inter-departmental projects -

100 % - All post-graduate students undertake in-house projects which may involve other departments. The in-house projects may be divided into thesis and short studies as listed below.

Research Conducted in-house including inter-departmental research

List of Thesis

Students Name	Title of Thesis	Guide	Co-Guide
Dr. Anubhav Yadav	A comparative evaluation of smile in different age groups: A photographic Study.	Dr. Dinesh Kr. Bagga	Dr. Piush Kumar
Dr. Deeprashmi	An evaluation of a digital method for Study model measurement	Dr. Payal Sharma	Dr. Piush Kumar
Dr. Kamal Kapoor	The effect of repeated bonding on the shear bond strength of different adhesive systems: An vitro study	Dr. Payal Sharma	Dr. Piush Kumar
Dr. KapilSaro ha	An in vitro evaluation of micro leakage beneath metal brackets bonded to enamel using three different adhesives	Dr. Rakesh Sharma	Dr. Piush Kumar
Dr. AnujaAggarwal	Esthetic evaluation of facial attractiveness by computer aided alteration of maxillary incisor position and inclination	Dr. Payal Sharma	Dr. Piush Kumar Dr. Divya Shetty
Dr. KapilDev	Estimation of skeletal age using a mathematically calculated CVM	Dr. Pavan Kr. Chandra	Dr. Payal Sharma Dr. Achint Juneja
Dr. Meetu Rani	Cephalometric evaluation of Age – related changes in the frontal sinus and its correlation to skeletal maturity	Dr. Payal Sharma	Dr. Piush Kumar Dr. Vishal Singh
Dr. Milind Sharma	Reliability of OPG in estimation of Dental age	Dr. Pavan Kr. Chandra	Dr. Rakesh Sharma Dr. Divya Shetty
Dr. Gurbir Singh	The effect of anti-oxidants on the shear bond strength of bleached teeth.	Dr. Payal Sharma	Dr. Divya Shetty
Dr. Jasmine Arneja	Andrew’s third order inclination and its correlation with various cephalographic measurements- a Dental cast and lateral cephalogram study	Dr. Pavan Kr. Chandra	Dr. Piush Kumar

Dr. PrashantK apoor	An in-vitro evaluation of the decalcification around the bonded metal brackets and remineralization potential by using various tooth agents	Dr. Pavan Kr. Chandra	Dr. Piush Kumar
Dr. TanviVerma	Evaluation of anti-microbial property of a modified acrylic resin containing cetylpyridinium chloride.	DrRakesh Sharma	Dr. Shalaj Bhatnagar
Dr. Rabinder kaur	To compare the clinical characteristics of new and recycled brackets manufactured by different manufacturing process.	DrPiushkumar	Dr. Shalaj Bhatnagar
Dr. AnubhaVerma	Evaluation and prediction of impacted mandibular third molars by panoramic radiography	Dr. Payal Sharma	Dr. Shalaj Bhatnagar
Dr. Apoorva Bajaj	Evaluation of bacterial adhesion on conventional and esthetic Nickel-titanium wires after clinical usage	Dr. DivyaShetty	Dr. Piush Kumar Dr. Swati Gupta
Dr. Nisheeth Sharma	An in vivo comparative analysis of bond survival rate between two different bonding techniques.	Dr. ShalajBhatnagar	Dr. Achint Juneja
Dr. Rahul Gupta	Evaluation of frictional forces generated by aesthetic stainless steel wires after clinical usage	DrPiush Kumar	Dr Payal Sharma
Dr. Vikas Chauhan	Effect of different intra-coronal bleaching methods on shear bond strength of ceramic brackets bonded to bleached enamel- an in-vitro study	Dr. Piush Kumar	Dr. Divya Shetty
Dr. Ankit Sharma	Comparative evaluation of the effect of ozonated water and chlorhexidine on gingival inflammation in orthodontic patients.	Dr. ShalajBhatnagar	Dr. Rahul Chopra Dr. Neera Sharma
Dr. Emad Ahmad	Evaluation of the aligning efficiency of an esthetic nickel titanium arch wire-a prospective clinical trial	Dr. Piush Kumar	Dr. Payal Sharma
Dr. Sanjeet Kr Sar	Comparative evaluation of leptin level in gingival crevicular fluid during canine retraction using NiTi coil springs and elastomeric chain	Dr. DivyaShetty	Dr. Ajit Singh Rathore
Dr. Kr. Adarsh	Accuracy and reliability of tooth length measurements on conventional and CBCT images– an in-vitro comparative study.	Dr. Payal Sharma	Dr. Achint Juneja
Dr. Rohit Mittal	Frictional resistance during simulated canine retraction in different combinations of self-ligating brackets & coated/ uncoated archwires –An in-vitro study	Dr. Payal Sharma	Dr. Piush Kumar

Dr. Ankush Bhutani	The influence of inter-bracket distance on load deflection characteristics of Nickel-titanium wires in labial versus lingual technique – An In-vitro Study.	DrShalajBhatnagar	Dr.Achint Juneja Dr.Karan Sharma
Dr. Amit Sharma	Evaluation and comparison of enamel decalcification with conventional bracket, APC bracket and flash free bracket-An In Vitro Evaluation	Dr. Piush Kumar	Dr. Payal Sharma Dr.AnkitaTandon
Dr. Komal Punia	A Comparative Analysis of survival rate and shear bond strength of bondable molar tubes with two different base designs	Dr.DivyaShetty	Dr.Shalaj Bhatnagar
Dr. Monis Raza	Comparison of canine retraction by conventional and corticotomy-facilitated methods: a split- mouth clinical study.	DrPayal Sharma	DrPiush Kumar DrVidyaDoddwad
Dr. Shubhangi Jain	Comparison of Conventional and Super-elastic Nickel titanium arch wires for tooth alignment during fixed orthodontic treatment- A clinical trial.	DrPayal Sharma	DrUpasana SethiAhuja DrDivyaShetty
Dr. Shubhanjali Sharma	Evaluation of the effect of socket preservation on orthodontic tooth movement- a clinical trial	DrPiush Kumar	DrShalaj Bhatnagar DrShubhra Vaish

List of Short Studies

Students Name	Title of short study	Guide	Co-Guide
Dr. Tushita Singh	Sex determination potential of permanent maxillary molar widths and cusp diameters in a North Indian population	Dr. Payal Sharma	DrPiush Kumar
Dr. Tushita Singh	In-vitro study of aesthetic color performance and visual perceptibility of ceramic brackets	DrPiush Kumar	Dr. Payal Sharma
Dr. Tanvi Verma	Assessment of validity of dental 2D radiographs in localization of maxillary impacted permanent canine	Dr. Payal Sharma	Dr. Rakesh Sharma
Dr. Anubha Verma	A Panoramic radiographic evaluation of factors associated with eruption of mandibular third molars	Dr. Payal Sharma	Dr. Shalaj Bhatnagar
Dr. Megha Sehgal	Changes in pulp temperature with different stripping methods-An in-vitro study	Dr. Payal Sharma	Dr. Achint Juneja
Dr. Nisheeth Sharma	Comparison of arch width, alveolar width and buccolingual inclinations of posterior teeth in class II div I malocclusion with different facial	Dr. ShalajBhatnagar	Dr. Achint Juneja

Dr. Apoorva Bajaj Dr. Kumar Adarsh	A Comparison of streptococcus mutans biofilm retention on two different type of brackets by two different ligation methods-An in vitro scanning electron microscopic study	Dr. Payal Sharma	Dr. Divya Shetty
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Percentage of students doing projects in collaboration with other universities/ industry/ institute-

34.21% students have additionally undertaken research projects in collaboration with other institutes.

Research Conducted in-Collaboration with other universities/ industry/ institute

List of Thesis

Students Name	Title of Thesis	Other institution in-Collaboration	Guide	Co-Guide
Dr. Akshay Gupta	An invitro study of the force decay generated by different retracting devices	I.T.S Engineering College, Greater Noida	Dr. Rakesh Sharma	Dr. Piush Kumar
Dr. Karan Tangri	Effect of disinfecting solutions on the tensile strength of elastomeric ligatures: An in vitro study.	I.T.S Engineering College, Greater Noida	Dr. Dinesh Kr. Bagga	Dr. Rakesh Sharma
Dr. Gaurav	Shear Bond Strength of ceramic brackets with different base designs – An in vitro study	I.T.S Engineering College, Greater Noida	Dr. Dinesh Kr. Bagga	Dr. Rakesh Sharma
Dr. Harsh Goyal	Evaluation of resistance to sliding with different types of esthetic ligatures in two types of ceramic brackets – An In Vitro Study	I.T.S Engineering College, Greater Noida	Dr. Payal Sharma	Dr. Piush Kumar
Dr. Parag Gupta	Shear bond strength of orthodontic brackets using different types of flowable composites – An in vitro study	I.T.S Engineering College, Greater Noida	Dr. Dinesh Kr. Bagga	Dr. Rakesh Sharma
Dr. Tushita Singh	Load deflection characteristics of different types of coated NiTi arch wires – An in vitro study	I.T.S Engineering College, Greater Noida	Dr. Payal Sharma	Dr. Piush Kumar

Dr. Saurabh Singh	Shear bond strength of molar tubes bonded to a porcelain surface using different conditioning protocols	I.T.S Engineering College, Greater Noida	Dr. Rakesh Sharma	Dr. Pavan Kr. Chandra Dr. Achint Juneja
Dr. Megha Sehgal	Effects of intra-oral ageing on surface characteristics and mechanical properties of coated NiTi arch wires	IIT New Delhi, I.T.S Engineering college, Greater Noida	Dr. Payal Sharma	Dr. Achint Juneja
Dr. Mandeep Singh	Accuracy and reproducibility of Laser-Scanned digital models compared to plaster models – An In-Vitro Study	External Lab based in Delhi	Dr. Achint Juneja	Dr. Shalaj Bhatnagar

List of Short Studies

Students Name	Title of short study	Other institution in-Collaboration	Guide	Co-Guide
Dr. Karan Tangri	A Comparison of the Accuracy of 0.022 Slots at Face, Base and Mesial and Distal Surface of Brackets marketed by Different Manufacturers.	I.T.S Engineering College, Greater Noida	Dr. Piush Kumar	Dr. Payal Sharma
Dr. Kapil Saroha	Effect of different contaminants on the shear bond strength of a newly introduced self-etch adhesive system used with moisture protective barrier. - An In vitro study	I.T.S Engineering College, Greater Noida	Dr. Piush Kumar	Dr. Rakesh Sharma
Dr. Gurbir Singh	Effect of antioxidant agents on the shear bond strength of ceramic brackets to bleached enamel.	I.T.S Engineering College, Greater Noida	Dr. Payal Sharma	Dr. Achint Juneja
Dr. Rabinder Kaur	Evaluation of frictional forces generated in retrieved aesthetic wires with different ligation methods	I.T.S Engineering College, Greater Noida	Dr. Piush Kumar	Dr. Shalaj Bhatnagar

Awards / recognitions received at the national and international level by

FACULTY

DrPayal Sharma awarded Diplomate in Orthodontics by Indian Board Of Orthodontics in 2012.

DrMeenuGoel won the 3rd prize for poster presentation - Pitchfork analysis of Class II correction using Forsus FRD at 8th APOC and 47th IOC at New Delhi, 2012.

DrPiush Kumar won the first prize for poster titled Show your Smile- not Your Braces at the —International Conference of Dental Specialities in the year 2014.

Dr. Payal Sharma was guest speaker in Alumni Conference held at SumandeepVidyapeeth, Gujarat In Jan, 2015

Dr. Payal Sharma was guest speaker in CDE on —Orthodontics- Raising the Bar held at Chandigarh, India in July, 2015.

DrPayal Sharma, DrDivyaShetty and DrMeenuGoel won the 2nd prize for poster presentation - Role of drugs in Orthodontic tooth movement at 28th International Society of Dental Research held at ITS-CDSR from 20th – 22nd November 2015.

Dr. Payal Sharma was guest speaker in workshop on —Case Planning in Orthognathic Surgery: An evolving science at I.T.S Dental College Muradnagar, India in May, 2016

DrPayal Sharma awarded Membership in Orthodontics from the Royal College of Surgeons, Edinburgh in 2016.

STUDENTS

DrAmitKapoor (Postgraduate student 2009- 2012 batch) won the second prize in poster presentation at Indian Orthodontic PG Convention, 2012 at Vishakhapatnam.

DrVikas , Dr Rahul and DrNisheeth won the third prize in poster presentation on —show your esthetic smile, not your braces on the World Orthodontic Day at ITS-CDSR on 5th Oct 2015.

DrGurbir and DrApoorva Bajaj won the Second prize in paper presentation on —Distraction Osteogenesis- A Clinical case report at the 28th International Society of Dental Research held at ITS-CDSR from 20th – 22nd November 2015.

Dr Jasmine won the first prize for the paper presentation on —Accelerated Orthodontics in 2016.

DrPrashant won a prize for the paper presentation on —Rethink, Rediscover and Reinnovate at the IDA student's national conference held at I.T.S-CDSR on 15th and 16th March 2016.

Dr Emad Ahmed won the second prize for the paper presentation on —The PASS Technique at the IDA student's national conference held at I.T.S-CDSR on 15th and 16th March 2016.

Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any

S. No	Title	Date	Source of Funding	Attended By
1.	Biomechanics Simplified By DrJayesh S Rahalkar and DrChetan V Jayade	24/09/2013	Delegates' Registration Fee	More than 100 delegates
2.	Hands On — Clinical Photography By DrAkhtarHusein	22/01/2016	Delegates' Registration Fee	More than 100 delegates
3.	Orthognathic Surgery – Live Demo	20/05/2016	Delegates' Registration Fee	115

A Code of ethics for research followed by the departments

All the research projects of the department are sent to the Institutional Research Committee to check for the feasibility and then forwarded to the Institutional Ethical Committee for approval. The Institutional Ethical Committee is recognized by the Government of India and follows the ICMR Ethical Guidelines for Biomedical Research on Human participants, 2006 and the Helsinki Declaration Human Medical Experimentation Ethics Document, 2008.

Student profile program-wise

Name of the Program	Application received	Selected		Pass percentage %	
		Male	Female	Male	Female
BDS					
2012	350	20	77	95%	96.7%
2013	263	26	74	88.46%	97.36%
2014	249	26	74	100%	98.64%
2015	292	23	77	Ongoing batch	
2016	263	14	47	Ongoing batch	
MDS					
2013	152	2	3	100%	100%
2014	132	3	3	Ongoing batch	
2015	109	6	0	Ongoing batch	
2016	136	3	3	Ongoing batch	

Diversity of students

Name of the Program	% of students from the same University	% of students from other University within the State	% of students From University outside the State	% of Students from other Countries
MDS 2012	40%	40%	20%	NIL
2013	60%	20%	20%	NIL
2014	33.33%	50%	16.67%	NIL

2015	20%	40%	40%	NIL
2016	50%	16.67%	33.33%	NIL

How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise

Nil

35. Student progression

Student progression	Percentage enrolled
UG TO PG	32.14%
PG TO M.PHIL, DM/	Nil
PG TO Ph.D	Nil
Ph.d to Post Doctoral	Nil
Employed	
❖ Campus selection	8.3%
❖ Other than campus recruitment	25%
Entrepreneurs	66.7%

36. Diversity of staff

Percentage of faculty who are graduates	
Of the same university	33%
from other universities within the State	11%
from universities from other states	56%
from universities outside the country	0%

Number of faculty who were awarded M.Phil., DM, M Ch, Ph.D., D.Sc. and D.Litt. during the assessment period

DrPayal Sharma has been awarded with the Membership of Orthodontics by the Royal College of Surgeons, Edinburgh in 2016.

DrPayal Sharma has been conferred Diplomate of the India Board of Orthodontics.

Present details of departmental infrastructural facilities with regard to

Library :

The department is equipped with a library which has 51 books of 35 titles and also stocks copies of all the thesis and library dissertations from previous years for ready reference.

Internet facilities for staff and students

Department is well connected with campus WiFi of 20 MBPS speed for internet access to staff as well as students. The students also have access to WiFi in their hostels after college hours.

Total number of class rooms

There are four classrooms in the college as per DCI requirement which are used by all the departments for conducting lectures for BDS students. In addition, the department is also equipped with a seminar room for post-graduate students.

Class rooms with ICT facility and „smart“ class rooms

All the classrooms are smart classrooms and have ICT facility. Two classrooms are equipped with smart boards.

Students“ laboratories

The department is equipped with two laboratories, one for BDS students and one for MDS students.

Research laboratories

In- house state-of -the-art research centre is available the facilities of which are being utilized by the department. The research centre has facilities for conducting research in the fields of genomics, microbiology, metallurgy, biochemistry and radiology (CBCT).

List of doctoral, post-doctoral students and Research Associates

- | | |
|-------------------------------------------|-----|
| a) from the host institution/university : | Nil |
| b) from other institutions/universities : | 01 |

(Dr. Piush Kumar is pursuing PhD from Santosh University for which DrPayal Sharma is the co-guide)

Number of post graduate students getting financial assistance from the university

Nil

Was any need assessment exercise undertaken before the development of new program (s)? If so, highlight the methodology

See number 42.

Does the department obtain feedback from

**Faculty on curriculum as well as teaching-learning-evaluation?
If yes, how does the department utilize the feedback?**

Regular feedback is obtained from faculty regarding curriculum and teaching methodology. This feedback is discussed in monthly department & HOD meetings and appropriate measures are enforced. It was noted by the faculty that the students did not revise the topics taught to them which hampered the continuity of the succeeding lectures. It was then decided to hold a short question and answer session of 5-10 minutes based on the topic of last lecture and then proceed with the new lecture.

The feedback from faculty regarding post-graduate students revealed that their cases were taking longer than the stipulated duration for completion. A weekly case review by students of the clinical batches attended by all faculty members is being followed since then on a regular basis.

students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Yes, the college collects Feedback Forms from the students on Staff, Curriculum and Teaching which are assessed periodically. Areas of improvement are shortlisted and rectified in consultation with the Faculty. For example the post graduate students of second and third year felt that they were not getting enough exposure to patients who required myofunctional and orthopedic therapy because all patients aged below 18 years are referred to the Department of Pedodontics. In response to this feedback, an inter-departmental case discussion is being organised on a monthly basis in collaboration with the Department of Pedodontics for the benefit of students from both the departments.

alumni and employers on the programs offered and how does the department utilize the feedback?

Yes there is a formal system of taking feedback from alumni at the annual alumni meet. Feedback is used to improve & strengthen teaching methodology and infrastructure. It was felt by our alumni that we were lacking an advanced digital system of patient analysis. It was then that a shift was made from the Nemoceph software which we already had as per DCI requirement to Dolphin software which offered us highly advanced treatment simulations especially for orthognathic surgery cases.

List the distinguished alumni of the department (maximum 10)

DrNavneet Singh has joined as a research associate at Maulana Azad Institute of Dental Sciences, New Delhi.

DrAniruddh has been appointed as a senior Orthodontic Consultant at Axis Dental, New Delhi.

DrTushita Singh has been appointed as a senior Orthodontic Consultant at Clove Dental, New Delhi.

Give details of student enrichment programs (special lectures / workshops seminar) involving external experts.

A workshop on Research methodology and evidence based practice was conducted on 17 April 2012 by Dr. S. Narasimman, Professor in Father Muller Medical College, Mangalore.

A workshop was organized on 25th February, 2012 by DrImneetMadan, specialist Pediatric Dentist with Michaels Dental Clinic, Dubai.

A scientific lecture was organized on 09 Jan 2012 on multi-fov Dental and Maxillofacial CBCT by Dr. SharadSahai, a renowned Oral and Maxillofacial Radiologist.

A symposium cum workshop was organized on pharmacovigilance and —Basic Life Support on 29th May 2012 by Professor H.M.S. Rehan, Lady Harding Medical College.

10th National Conference of Indian Association of Forensic Odontology

—Molecular Insights into Forensic Odontology was organized on the 7th, 8th and 9th Sept 2012.

A CDE Program on —Full Mouth Rehabilitation as part of 26th PFA convocation & award ceremony was organized by DrVeena Jain (Hod Dept. of Prosthodontics CDER, AIIMS).

15th Indian Prosthodontic Society's Post Graduate Student National Convention was held from 14th – 16th June, 2013.

A Continuing Dental Education Program titled —Biomechanics Simplified was conducted on the 24th September 2013, by Dr. Jayesh S. Rahalkar, D.Y. Patil Dental College Pune and Dr. Chetan V. Jayade, CKS Theja Dental College Tirupati.

An International Conference was organized on 9th and 10th May, 2014 in association with International Association of General Dentistry.

A workshop was organized on —Bioethics In Clinical Research on 1st September, 2014 by Dr. SachinManocha (Asth. Prof. VardhmanMahavir Medical College, Safdarjung Hospital), Dr. V. Kalaiselvan (Principal Scientific Officer, Indian Pharmacopeia Commission) and Dr. Prem Chopra Renowned Pathologist Ex. AIIMS, Sr. Consultant Sir Ganga Ram Hospital.

Lecture on the importance of —Periodontal Health and Maintenanace AAS conducted on 12th of January by Dr. Ajay Kakkar, an alumnus of Nair Dental College and Hospital is a specialist Periodontist and Oral Implantologist.

On occasion of the golden jubilee year of the Indian Orthodontic Society, the department of Orthodontics took part in the Smile Torch campaign to increase awareness among the general public about orthodontic treatment on 12th February, 2015.

On 27th March 2015, a CDE was conducted jointly by the Department Of Oral & Maxillofacial Surgery & the Mirell Dental Implant Systems on the topic —Innovations In Implantology by Dr. RoninBrodovski, an eminent implantologist from Tel Aviv, Israel.

The 16th IACDE PG Convention was held department of Conservative from 4th to 6th June 2015.

A lecture was organized on —Career Options in North America and Practice Management Tips|| By Dr. Shakti Singh, FRCO {Canada}, Faculty University of Toronto on 17th September, 2015.

Indian Dental Student Conference was conducted on 15th and 16th March, 2016 in association with Indian Dental Association,

Comprehensive Implantology course was conducted on 7th March, 2016 as a part of Dentist Day Celebrations by Dr Lanka Mahesh (Visiting Professor, University of Murcia, Spain; Asia Pacific Brand Ambassador, International College of Oral Implantologists and course co-ordinator- Bioner)

A symposium cum workshop was conducted by the department of pharmacology on 3rd August, 2016 on basic life support by Dr Rajesh Kalra.

A single day workshop was conducted on —Microvascular Fibula Free Flap Reconstruction of the mandible, a live surgical Demonstration on 30th August 2016 by Dr. RajanArora, consultant plastic surgeon at Rajiv Gandhi Cancer Hospital, New Delhi.

A 2 day workshop was conducted on —Practice Management||, module – 2 on 28th-29th September 2016 by Dr. AjitShetty.

List the teaching methods adopted by the faculty for different programs including clinical teaching.

The department employs innovative teaching methods combined with the conventional ones. Theoretical topics are covered with power-point presentations which are made interesting with illustrations, diagrams and case examples to make them more visually appealing. These presentations are updated regularly to incorporate advances in knowledge. The students are also encouraged to present seminars and symposiums. The flipped learning approach is an innovative method employed to involve the students actively in the teaching-learning process. Clinical training is reinforced with demonstrations and case discussions. The department ensures that each student treats a variety of cases with different techniques. They are also encouraged to take up challenging cases to enhance their clinical skills. The students are encouraged to attend workshops, continuing education programs and conferences by eminent national as well as international faculty. Evidence based clinical practice is encouraged along with adoption of newer modalities of treatment. The students are trained in data and information handling skills through the use of Orion patient software.

How does the department ensure that program objectives are constantly met and learning outcomes are monitored?

The program objectives are based on the principles of knowledge, skill and attitude. Emphasis is placed on outcome based education. Written and practical exams at regular intervals serve to monitor progress and assess theoretical knowledge and clinical skill of students. The time

management skills of the students are assessed through Orion software which helps to monitor patient appointments and waiting times. The diagnostic skills are assessed through presentation of cases on a weekly basis. The students are instilled with a compassionate attitude towards their patients. Feedback is obtained from the patients and conveyed to the concerned student to assess their professional attitude and communication skills.

Highlight the participation of students and faculty in extension activities. Students and faculty regularly participate in:

S.No.	Date of events	Name of Events
1	18/02/2012	Euphoria (A Cultural Extravaganga)
2	06/03/2012	Dentist Day Celebration
3	07/03/2012	World Health Day celebration
4	24/03/2012	World T.B.Day celebration
5	01/02/2012	HRIT Campus (special dental check up)
6	08/02/2012	KIET (special Camp)
7	06/04/2012	ITS Mohan Nagar (special camp)
8	14/06/2012	Blood Donor Day
9	28/07/2012	World Hepatitis Day
10	05/09/2012	Teachers day celebration
11	13/09/2012	World Oral Health Day celebration
12	29/08/2012 to 30/08/2012	Dental Health Programme at Deep Memorial Public School
13	29/08/2012 to 30/08/2012	dental Health Programme at Cambridge School
14	13/10/2012	World sight day
15	31/10/2012	Future Professional Programme
16	30/11/2012 to 01/12/2012	Occlusion 2012
17	30/03/2013	Alumni meet 2013 convocation
18	06/04/2013	World Health Day celebration
19	22/04/2013 to 27/04/2013	Sports Day
20	03/05/2013 to 04/05/2013	Inter batch competition- Euphoria 2013
21	31/05/2013	World No Tobacco Day
22	12/07/2013	Prize distribution ceremony for " Euphoria 2013"
23	29/07/2013	World Hepatitis Day (Know IT,Confront IT)
24	12/08/2013	International Xenth Day
25	22/08/2013	Pledge Day in collaboration with colgate Palmolive India Ltd. And ACFE (Alliance for Cavity free future)
26	05/09/2013	Teacher's Day celebration
27	13/09/2013	Fresher's Party of 14th BDS Batch (2013-17)
28	01/10/2013	International Geriatric Day
29	14/11/2013	Children's Day celebration

30	04/02/2014	World Cancer Day
31	13/02/2014	Oral & Maxillofacial Surgeon's Day
32	06/03/2014 to 08/03/2014	Dentist day celebration (Denture camp organised)
33	05/04/2014	Annual Convocation ceremony & Alumni Meet
34	07/04/2014	Awareness of exercise of voting rights
35	06/08/2014 to 08/08/2014	Euphoria- 2014 Academic excellence & cultural award day
36	05/09/2014	Teachers Day celebration
37	19/09/2014	Fresher's party 15th Batch BDS (2014-18)
38	27/08/2014	Cancer screening camp
39	01/10/2014	International Elderly day
40	28/07/2014	World Hepatitis day
41	12/12/2014 to 13/12/2014	Occlusion 2014
42	02/03/2015	White Coat ceremony
43	20/03/2015	World Oral Health day "A Denture Camp"
44	04/04/2015	Convocation ceremony & Alumni Meet - 15
45	28/05/2015 to 30/05/2015	Euphoria 2015 "Interclass Cultural Fiesta"
46	28/07/2015	World Hepatitis day
47	16/09/2015	Hostel Day celebration
48	21/09/2015	Fresher's Party 16th Batch BDS (2015-2020)
49	01/10/2015	World Elderly day celebration
50	05/10/2015	World Orthodontic day celebration
51	14/11/2015	Children's day celebration Theme of celebration: "Join us to make this nation a 'Smile Selfie' nation"
52	04/02/2016	World Cancer Day
53	06/02/2016	White Coat Ceremony
54	16/02/2016 to 18/02/2016	Staff Development Program
55	08/03/2016	Women's Day Celebrations
56	20/03/2016	World Oral Health Day 2016

Both Undergraduate and postgraduate students are also actively involved in the camps held by Department of Community Dentistry.

S.No.	Year	Total No. of Camps Held
1.	2012	153
2.	2013	162
3.	2014	167
4.	2015	150
5	2016	126

Give details of “beyond syllabus scholarly activities” of the department.

The department encourages students to participate in scholarly activities which are beyond their syllabus. For example, under-graduate students have presented posters in conferences under the guidance of faculty. The post-graduate students are encouraged to take up short-term research work in addition to their thesis which inculcates a taste for research and literature review and helps to develop a better understanding of statistical methods before they take up thesis work. The additional research undertaken is also presented at national and inter-national forums such as conventions and conferences. Students have participated in continuing dental education programs and workshops conducted by other specialties to enhance their knowledge base and encourage lateral thinking in terms of inter-disciplinary approach.

Some of the programs attended by the post-graduate students are listed below:

- Pharmacovigilance and Basic life support on 29th May 2012 at ITS-CDSR Muradnagar.
- 10th National conference of Forensic Odontology on 7th – 9th Sep 2012 at ITS- CDSR Muradnagar.
- Delhi Dental Show‘ held at PragatiMaidan, New Delhi on 12th to 14th Oct. 2012.
- lecture by Colgate/ IDA for future dental professionals programme on 31st Oct 2012 in ITS-CDSR, Muradnagar.
- 26th PFA Colgate CDE program‘ held at ITS Greater Noida on 15th dec.2012.
- Workshop on Dental Sleep Medicine- Perspectives and Strategies for management on 16th Feb 2013 in ITS-CDSR, Muradnagar.
- Attended CDE on —Slim tip – soft approach|| at I.T.S CDSR, Muradnagar on 14th Sept 2013.
- Indian Dental Student Conference at I.T.S CDSR, Muradnagar on 23rd & 24th Nov 2013.
- International Conference of Dental Specialties at I.T.S CDSR Muradnagar on 9th & 10th May 2014.
- Workshop on Bioethics in Clinical Research atITS Dental College on 1st Sept 2014.
- Lecture on —Current trends in education and IQA|| at ITS Dental College on 20th Dec 2014.
- Student Exchange Program Tufts School of Dental Medicine at Boston, USA on 5th-18th July 2015.
- Pre-Conference Course on Implantology for beginners|| at I.T.S-C.D.S.R on 18th Nov 2015.
- Lecture on —Orthopaedic v/s Orthognathic and NasoalveolarMoulding|| at TMU University on 12th Jan 2016.
- IDA Student Conference|| at I.T.S.-C.D.S.R on 15th -16th March 2016

—Workshop on Dental Sleep Medicine, Sleepcon at India habitat centrell, New Delhi on 25th March 2016.

Personality Development Program at I.T.S.-C.D.S.R on 16th April 2016.

Lecture —TMJ/TMD and Orofacial pain by dr. Davis Thomas at Santosh University on 2nd July 2016.

Comprehensive Implantology Program being conducted in collaboration with Bioner Implants and recognized by ICOI (International Congress of Oral Implantologists).

State whether the program/ department is accredited/ graded by other agencies? If yes, give details.

All the programs are recognized by the Dental Council of India

Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

A Research projects are undertaken to address lacunae in the existing literature and to attempt to add new knowledge to the specialty. Research work is also done in collaboration with other departments. Other than the dissertation which is a part of the curriculum students are encouraged to take up short research studies and challenging cases to add to their knowledge. Newer advances (micro-implants, lingual orthodontics) in treatment modalities are adopted to increase the standard of care along with enhancing knowledge.

A new type of separator (Kansal's separator) has been designed and tested in collaboration with external researchers. The department also participated in a multi-centre trial to test the efficiency and patient acceptance of the new design. Several studies have also been conducted to evaluate the in-vitro and in-vivo properties and behavior of esthetic archwires. There was a lack of information in the literature concerning esthetic stainless steel wires. Research conducted in the department concluded that the esthetic stainless steel wires exhibited increased friction after clinical use. Another recent study evaluated bond survival rate of a newly introduced indirect bonding material, Transbond IDB pre-mix chemical cure

Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

STRENGTHS

Dedicated workforce and team effort
 Variety of cases including cases requiring orthognathic surgery
 Computerized system of record storage and analysis
 Computerized analysis and treatment planning using Dolphin software
 Well –equipped facility

WEAKNESS

The patients reporting to the department belong to the lower socio-economic strata which restricts the usage of highly expensive materials or techniques.

OPPORTUNITIES

The institution is located in a rural area which provides an opportunity to increase the awareness of the population towards orthodontic treatment. The orthodontic problems in children can be addressed through a preventive and interceptive approach which may lead to saving of time and cost involved to the patient.

CHALLENGES

To increase awareness in the population about orthodontic treatment.

To ensure clinical efficiency and standards of care at par with world standards in a predominantly rural base of patients

Future plans of the department.

Continuous up-gradation of clinical skills in newer areas of orthodontic treatment and techniques such as aligner therapy and lingual orthodontics.

Set up a multi-specialty cleft care centre in the institute.

Impart orthodontic treatment to children with special needs.

DEPARTMENT OF ORAL PATHOLOGY AND MICROBIOLOGY

Name of the Department:

Department of oral pathology and microbiology

Year of

establishment: 2000

Is the Department part of a college/Faculty of the university

Department is part of ITS Dental College, Muradnagar, Ghaziabad which is affiliated to Choudhary Charan Singh University, Meerut.

Names of programs offered (UG, PG, PharmD, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.)

UG- BDS

PG- MDS

Interdisciplinary programs and departments involved

The department regularly collaborates with other specialties to encourage and develop an inter-disciplinary approach to provide holistic care to the patients. Monthly clinico pathological conference (triple 'o' meet) conducts with the department of Oral surgery and Oral medicine. Cases of oral lesions were discuss where patient first report to the department of oral medicine for check up and from there refer to dept of Oral Surgery where incisional biopsy is performed. Further the biopsied sample is sent to the department of oral pathology for histopathological evaluation and on the basis of diagnosis of incisional biopsy, excisional biopsy is performed in dept of Oral Surgery. Specimen of excisional biopsy is again sent to the Department of Oral Pathology for final diagnosis so that accordingly treatment plan is finalized for the patient.

Courses in collaboration with other universities, industries, foreign institutions, etc.

Dr Shetty went for an exchange program with Tufts University, Boston in the year 2015 for a period of three weeks to observe and inculcate the international trends in academics and patient care.

Two post-graduate students attended the Comprehensive Implantology Program being conducted in collaboration with Bioner Implants and recognized by ICOI (International Congress of Oral Implantologists).

Details of programs discontinued, if any, with reasons

Nil

Examination System: Annual/Semester/Trimester/Choice Based Credit System

BDS: Annual University Examination System, Internal assessment in each trimester University Exam after 3 years

MDS: years

Participation of the department in the courses offered by other departments

The post graduate students have been a part of various courses offered by other departments in the college such as:-

All post graduate students have attended workshop on Blood and Dental Plaque as Molecular tools- Theories and practice on 12th December 2016 organised by Centre for advance research

Two post graduate students attended Comprehensive Implant course conducted by the Department of Prosthodontics under the following modules:-

- First module: 18-20th July 2016
- Second module: 8-10th August 2016
- Third module: 6-8th September 2016
- Fourth module: 3-6th October 2016

Post-graduate students of final year and second year attended the Practice Management workshop conducted by Department of Conservative Dentistry & Endodontics on 27-28th August 2016.

Final year post-graduate students attended the CBCT workshop conducted by the Department of Oral Medicine & Radiology on 21st-23rd September 2016.

All post graduate students have attended Karyotyping workshop organised by centre for advance research in ISDR conference held in ITS CDSR on 21st and 22nd Nov 2015

Post graduate student of final year attended Photographic dentistry workshop by Dr Akhtar Husain organized by department of Orthodontics

All the post-graduate students attended the Pharmaco-vigilance workshop conducted by the Department of Pharmacology on 29th May 2012.

Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	SANCTIONED (As per DCI requirement for 2 units)	Filled
Professor	2	2
Associate professor/Reader	4	3
Assistant professor/ Senior lecturer	2	4
Tutor	0	0

Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of years of experience
Dr.Devi Charan Shetty	MDS	Professor and Head	Oral Pathology and Microbiology	17 years
Dr.Ajit Singh Rathore	MDS	Professor	Oral Pathology and Microbiology	13years 4months
Dr Pankaj Jain	MDS	Reader	Oral Pathology and Microbiology	6 years 7 months
Dr.Ankita Tandon	MDS	Reader	Oral Pathology and Microbiology	5 years 2 months
Dr.Saurabh Juneja	MDS	Senior Lecturer	Oral Pathology and Microbiology	4 years 4 months
Dr.Amina Singh	MDS	Senior Lecturer	Oral Pathology and Microbiology	2 years 4 months 15 days
Dr.Anshi Jain	MDS	Senior Lecturer	Oral Pathology and Microbiology	2 years 3 months 15 days
Dr.Nikita Gulati	MDS	Senior Lecturer	Oral Pathology and Microbiology	2month 11days
Dr Akansha Banga	MDS	Senior Lecturer	Oral Pathology and Microbiology	3month

For research under guidance refer to Question no. 28

List of senior Visiting Fellows, adjunct faculty, emeritus professors

Nil

Percentage of classes taken by temporary faculty – program-wise information

There is no temporary faculty associated with the department.

Program-wise Student Teacher Ratio

B.D.S- 11:1
M.D.S- 2:3

Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Technical and administrative staff	Sanctioned	Filled
Lab technician	1	1
Attendant	2	2
Computer operator	1	1

Research thrust areas as recognized by major funding agencies

Oral precancer and cancer
Salivary gland pathologies
Molecular pathology

These research areas are recognized by ICMR and funds has been released to carry on these research areas

Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

National

2 ongoing projects have received funding from National agency (ICMR).

S. No.	Title	Faculty	Funding agency	Total Grant received
1.	Correlative study of HIF- α and mTOR in various histopathological grades of Oral squamous cell carcinoma	Dr. Devicharan Shetty, Dr. Ajit Singh Rathore	ICMR	Rs. 25,000/-
2.	Expression profile of retinoblastoma gene and HPV status in Oral potentially malignant disorders and OSCC	Dr. Devicharan Shetty, Dr. Ajit Singh Rathore	ICMR	Rs. 25,000/-

Funding received from international

agency None

Inter-institutional collaborative projects and associated grants received a) National collaboration b) International collaboration

National

S. No	Topic	Name of candidate	Collaboration with Institution	Grant Received
1.	H-ras oncogene alterations in oral epithelial dysplasia and oral squamous cell carcinoma	Dr. Akanksha Banga	Institute of Cytopathology and Preventive Oncology (ICPO), ICMR, Noida	None
2.	Correlative study of HIF- α and mTOR in various histopathological grades of Oral squamous cell carcinoma	Dr. Sonal Katyal	UCMS and GTB Hospital, New Delhi.	ICMR
3.	Notch-1 gene alterations and p63 protein expression in Oral epithelial dysplasia and Oral squamous cell carcinoma	Dr. Akriti	National Institute of Pathology, ICMR, New Delhi	None
4.	Expression profile of retinoblastoma gene and HPV status in Oral potentially malignant disorders and Oral Squamous cell carcinoma	Dr. Flora Verma	Institute of Cytopathology and Preventive Oncology (ICPO), ICMR, Noida	ICMR
5.	Characterization of salivary gland tumours on the basis of proliferation index of MCM 3 in comparison to Ki 67 immunoexpression	Dr. Ritika Raja	SN Medical College, Agra	None
6.	Clinicopathological correlation and immunoscoreing of EGFR expression in recurrent cases of Oral Squamous cell carcinoma	Dr. Meenakshi Chowdhary	Rajiv Gandhi Cancer Institute, New Delhi	None

b) International collaboration - NO

Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received

S. No.	Topic	Name of candidate	Speciality	Funded by	Grant (Rs.)
1.	Correlative study of HIF- α and mTOR in various histopathological grades of Oral squamous cell	Dr. Sonal Katyal	Oral Pathology	ICMR	Rs. 25,000/-

	carcinoma				
2.	Expression profile of retinoblastoma gene and HPV status in Oral potentially malignant disorders and Oral Squamous cell carcinoma	Dr. Flora Verma	Oral Pathology	ICMR	Rs. 25,000/-

Research facility / centre with :**State recognition****National recognition****International recognition**

In-house state-of-the-art research centre is available in the institution, facilities of which are being utilized by the department.

Special research laboratories sponsored by / created by industry or corporate bodies

Nil

Publications:**Number of papers published in peer reviewed journals (national / international)**

82 (National 62, International 20)

Year-wise list of publications**2011**

Aadithya B Urs, Devi Charan Shetty, Praveen Reddy, Seema Sikka. Diverse Clinical Nature of Cavernous Lymphangioma- Report of Two Cases. *Minerva Stomatol* 2011; 60: 149-53.(Pubmed)

Shetty DC, Ahuja P, Taneja DK, Rathore AS, Chhina S, Ahuja US, Kumar K, Ahuja A, Rastogi P. Relevance of tumor angiogenesis patterns as a diagnostic value and prognostic indicator in oral precancer and cancer. *Vascular Health and risk management* 2011; 7: 41-47 .(Pubmed)

Melanotic Neuroectodermal Tumor of Infancy (MNTI): A Case Report with Historical Insights and Review In Relation To Its Origin. *The Internet Journal of Pathology* 2011: Volume 11 Number 2

Ringmaster of Craniofacial Development- Neural Crest Cell. *The Internet Journal of Dental Science*. 2011 Volume 9 Number 2

A Rare Case of Oral Cysticercosis. *The Internet Journal of Infectious Diseases* 2011: Volume 9 Number 2

Incidental Finding of Jaw Lesions- a Case report and Its Review of Literature. *The Internet Journal of Pathology*. 2011 Volume 11 Number 2 Primary intraosseous mucoepidermoid carcinoma of maxilla- a rare occurrence. *E-Journal of Dentistry* Jan - Mar 2011 Vol 1 Issue 1.(Pubmed)

- Paradental cyst associated with a case of pericoronitis. Journal of Indian Dental Association vol. 5, No.1, January 2011
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- Kumar K, Shetty DC. Efficacy of age estimation in forensic dentistry using cemental annulations as criteria. Journal of Indian Dental Association 2011; 5(1): 114-16.
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- Kumar A, Shetty DC, Manchanda A. Paradental cyst associated with a case of pericoronitis. Journal of Indian dental association. January 2011; 5(1): 120-121.
- Shalini Gupta, Ankita Tandon, Anurag Tripathi, OP Gupta. Regional Odontodysplasia: Report of a rare case. International Journal of Dental Case Reports 2011; 1(3): 34-37.
- Shalini Gupta, Ankita Tandon, Divya Mehrotra, O P Gupta. Ameloblastic fibroma: Report of three cases and literature review. International Journal of Oral and Maxillofacial Pathology 2011; 2(3): 59-63 .(Pubmed)
- Shalini Gupta, Ankita Tandon, Vibha Singh, OP Gupta. Trabecular Juvenile Ossifying Fibroma: A rare case presentation. Asian Journal of Oral Health and Allied Sciences 2011; 1(3): 224-227. .(Pubmed)
- Babu Chaitanya N, Kumar Vinod K, Juneja Saurabh NL. Aggressive Periodontitis as a Presenting Sign of Langerhans Cell Histiocytosis. Oral Oncol 2011; 47:S92.
- Chhina S, Rathore AS, Kalsi R. The mechanism, implication & prevention of preterm low birth weight: a periodontal perspective. J Indian Dent Assoc 2011; vol 5, 3: 403-405.
- Rathore AS, Chhina S, Ahuja P. Newer screening aids for detection of precancerous & cancerous lesions of oral cavity. J Indian Dent Assoc 2011; vol 5, 3:373-374
- Chhina S, Rathore AS, Ahuja P. Peripheral ossifying fibroma of gingiva: A case report. International Journal of Case Reports and Images 2011;2(11):21-24.
- Ahuja P, Rathore AS, Chhina S, Ahuja A. Adenomatoid Odontogenic Tumor-A Rare Extrafollicular Variant with Associated Periapical Lesion. J Indian Dent Assoc 2011; vol 5, 3: 380-381.

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- Bansal A, Bindal R, Shetty DC, Dua M. Rare occurrence of intraosseous schwannoma in a young child, its review and its

- pathogenesis. *J. Oral Maxillofacial Pathology*. Jan-Apr 2012;16 (1) .(Pubmed)
- Tyagi N, Shetty DC, Urs AB. Altered expression of HSP70 in oral lichen planus. *J. Oral and Maxillofacial Pathology*: May-Aug 2012;16(2) .(Pubmed)
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- Kumar K, Shetty DC, Wadhwan V, Gupta P, Synchronous oral squamous cell carcinomas with unusual histopathological feature. *JOMFP*. Sep-Dec 2012; 16(3) .(Pubmed)
- Kumar K, Shetty DC, Dua M. Biopsy and Tissue Processing Artifacts in Oral Mucosal Tissues. *International Journal of Head and neck surgery*, May-Aug 2012;3(2):92-8.(Pubmed)
- Sikka S, Sikka P, Shetty DC, Urs A. A case of multiple eosinophilic granulomas of jaws: A diagnostic challenge, *International Journal of oral & maxillofacial pathology* 2012;3(3)37-40
- Manchanda A, Shetty DC. Reproducibility of grading systems in oral epithelial dysplasia. *Med Oral Patol Oral Cir Bucal*. 2012 Nov 1;17(6):e935-42. .(Pubmed)
- Ankita Tandon, Kanika Sethi, Anand Pratap Singh. Oral Rhabdomyosarcoma: A review. *Journal of Clinical and Experimental Dentistry* 2012; 4(5): e302-8. .(Pubmed)
- Shalini Gupta, Ankita Tandon, Anil Chandra, OP Gupta. Syndontia with Talon cusp. *Journal of Oral and Maxillofacial Pathology* 2012; 16(2): 266-271. .(Pubmed)
- Aman Chowdhry, Ankita Tandon, Vivek Mehta, Gayatri Ramesh. Abfraction: Concepts revisited. *International Journal of Oral and Maxillofacial Pathology*. 2012; 3(4): 64-66. .(Pubmed)
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- Shalini Gupta, Ankita Tandon, Anurag Tripathi, OP Gupta. Macrodonitic multituberculism: Report of four cases and literature review. *Indian Journal of Dental Specialities and Research* 2012;30(2):81-8
- Rao RS, Premalatha BR, Mysorekar V, Juneja S. Immunofluorescence in Oral Pathology—Part III: Pathology and Immunofluorescent Patterns in Intraepithelial Immunobullous Disorders. *World J Dent* 2012;3(2):202-206.

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- Kumar K, Shetty DC, Wadhwan V, Dhanapal R, Singh H. Dentinoameloblastoma with ghost cells: A rare case report with emphasis on its biological behavior. *Dental Research journal*. 2013;10(1):1390.(Pubmed)

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Paul M, Shetty DC, Analysis of the changes in the basal cell region of oral lichen planus: An ultrastructural study, *JOMFP* 2013; vol 17(1): 10-6.(Pubmed)

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Ankita Tandon, Narendra Nath Singh, Gadiputi Sreedhar. Revealing anti-cariogenic efficacy of smokeless tobacco: A pilot study. *Journal of Oral and Maxillofacial Pathology* 2013; 17(1): 57-60.

Ankita Tandon, Keya Sircar, Aman Chowdhry, Deepika Bablani. Comparative analysis of lip and finger print patterns for sex determination. *Journal of Forensic Odontostomatology* 2013;31(1):120.

Anand Pratap Singh, Ankita Tandon, Aman Chowdhry, Sheetal Mujoo. Adenolymphoma: A probing entity-case report and review. *Journal of Natural Sciences, Biology and Medicine*. 2013;4(2):492-496.

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Ankita Tandon, Vartika Agarwal, Varun Arora. Reliability of India specific regression formula for age estimation of population in and around Bahadurgarh, Haryana (India). *Journal of Oral Biology and Craniofacial Research* 2015;5(3):193-7. (Pubmed)

Megha Singh, Keya Sircar, Ankita Tandon, Aman Chowdhry, Deepika Bablani Popli. The role of tobacco as an etiological agent for oral cancer: Cytomorphometrical analysis of the buccal mucosa in tobacco users. *Dental Research Journal (Isfahan)* 2014; 11(6):649-55.

Ankita Tandon, Keya Sircar, Aman Chowdhry, Deepika Bablani. Salivary duct cyst on lower lip: A rare entity and literature review. *Journal of Oral and Maxillofacial Pathology* 2014; 18(Suppl 1): S151-6.

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Shetty DC, Wadhwan V, Khanna K, Jain A, Gupta A. Exfoliative cytology: A possible tool in age estimation in forensic odontology. *J Forensic Dent Sci*. 2015;7 (1): 63-66. (Pubmed)

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Khurana N, Shetty DC, Narwal N. Unicystic ameloblastoma with verrucopapillary proliferations. *International Dental Journal* 2015;65:58-117

Kumar S, Shetty DC, Juneja S. Comparison of palatal rugae pattern in different orthodontic treatment international dental journal 2015;65:58-117

Gulati N, Bedi N, Banga A, Bhattacharya M, Shetty DC, Rathore AS. Special stains to highlight mitotic figures in oral epithelial dysplasia and squamous cell carcinoma. *Journal of Oral & Maxillofacial Pathology*. 2015; 18: pS17. (Pubmed)

Banga A; Gulati N, Bhattacharya M; Kaur N; Shetty DC; Hussain S. Estimation of serum C-reactive protein levels and its correlation with HPV in patients with potentially malignant disorders and oral squamous cell carcinoma. *Journal of Oral & Maxillofacial Pathology*; 2015; 18, pS48.

Juneja S, Srivastava D, Raina S, Kumar K, Shetty DC, Rathore AS. Quantitative and qualitative analysis of T- lymphocytes in varying patterns of oral lichen planus - An immunohistochemical study. *J Dent Specialities*, 2015;3(1):29-35

Rathore AS, Srivastava D, Narwal N, Shetty DC. Neurilemmoma of Retromolar Region in the Oral Cavity. *Case Reports in Dentistry*. 2015;2015:

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Jain A, Shetty DC, Rathore AS, Kumar K, Juneja S. Non-pigmented intra mucosal nevi in a young female patient: A rare case report. J Med Radiol Pathol Surg 2015;1:18-21.

Shalini Gupta, Ankita Tandon, Hari Ram, OP Gupta. Oral malignant melanoma: Report of three cases with literature review. National Journal of Maxillofacial Surgery 2015;6(1):103-9.

Ankita Tandon, Vartika Agarwal, Varun Arora. Reliability of India specific regression formula for age estimation of population in and around Bahadurgarh, Haryana (India). Journal of Oral Biology and Craniofacial Research 2015;5(3):193-7

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Keya Sircar, Ankita Tandon, Aman Chowdhry, Deepika Bablani Popli. Stress and Perceived Quality of Life among Undergraduate Dental Students. Journal of Dental Research 2016; 95(Spec Iss A):953. (Pubmed)

Juneja M, Juneja S, Rakesh N, Yashoda Devi BK. Amelogyphics: A possible forensic tool for person identification following high temperature and acid exposure. J Forensic Dent Sci 2016;8(1):28-31.

Juneja S, Juneja M. Role of computer based learning in tooth carving in dentistry: An Indian perspective. Int J App Basic Med Res 2016;6:164-5.

Jain D, Sawhney A, Gupta B, Sharma S, Juneja S, Juneja M, Sharma S, Patil N. Clinical and Radiologic Evaluation of Regenerative Potential of NHA Paste and DBM in the Treatment of Periodontal Intra-bony Defects -A Randomized Control Trial. J Clin Diag Res 2016;10(9):ZC74-ZC79.

Purushothama P, Neethi H, Indu M, Babu NC, Juneja S. Autofluorescence spectroscopy of blood plasma in characterization of oral malignancy- A pilot study. J Dent Specialties 2016;4(2):174-177.

Rathore S, Keshri N, Shetty DC, Juneja S. Oral Exfoliative Cytology As A Screening Tool For Iron Overload In Beta-Thalassemia Patients. Int J App Basic Med Res 2016;6(1):28-30. (Pubmed)

Jain A, Shetty DC, Juneja S, Narwal N. Molecular Characterization of Clear Cell Lesions of Head and Neck. J Clin Diag Res. 2016;10(5):ZE18-ZE23. (Pubmed)

Jain A, Shetty DC, Rathore AS, Kumar Kiran. Characterization and localization of c-kit and egfr in different variants of Adenoid Cystic Carcinoma. J . cancer research and therapeutics. April –june 2016 2016 Apr-Jun;12(2):834-9.(Pubmed)

Shetty DC, Rathore AS, Jain A, Thockchom N, Khurana N. Orthokeratinized odontogenic keratocyst masquerading as dentigerous cyst. Int J Appl Basic Med Res. 2016 Oct-Dec; 6(4): 297–299.(Pubmed)

Rathore AS, Gulati N, Shetty DC, Jain A. To analyze the concomitant expression of human papillomavirus-16 in the pathogenetic model of p53-dependant pathway in oral squamous cell carcinoma. J Oral Maxillofac Pathol. 2016 Sep-Dec;20(3):342-347.(Pubmed)

Monographs- None

Chapters in books-1

Dr. Saurabh Juneja authored the Chapter on Oral anatomy and oral histology in —Dental Pulse- An MCQ book for post graduate entrance exams, 8th and 9th edition, from Swapna Medical Publishers, Hyderabad, India.

Books with ISBN with details of

publishers Dr. Devi Charan Shetty –

Role of Immunofluorescence in Skin Lesions: Introduction, Fluorescent Microscopy, Immunofluorescence, Immunobullous Diseases. Lambert publication. ISBN-13 978-3659155376.

Number listed in international database (For e.g. Web of Science, Scopus, Humanities International Complete, dare database, International Social sciences directory, EBSCO host, Medline, etc.)

All publications are listed in Pubmed, Scopus, Copernicus, Ebsco, Medline etc.

Citation index- range/average

Faculty	Citation Since 2011	No. Of Publications	Avg.	Range	Dept. Avg.
Dr. Devicharan Shetty	223	61	3.66	0.3-4.0	2.43
Dr. Ajit Singh Rathore	26	22	1.18		
Dr. Pankaj Jain	20	5	4		
Dr. Ankita Tandon	44	20	2.2		
Dr. Saurabh Juneja	5	18	0.3		
Dr. Anshi Jain	16	11	1.45		

SNIP
SJR
Impact factor- Range /average
h-index

Name	h-index
Dr. Devicharan Shetty	8
Dr. Ajit Singh Rathore	2
Dr. Pankaj Jain	3
Dr. Ankita Tandon	4
Dr. Saurabh Juneja	1
Dr. Anshi Jain	3
Dr. Ameena Singh	0
Dr. Nikita Gulati	0
Dr. Akanksha Banga	0
Total	21

H- index = 21
Range = 1-8
Average = 21/9 = 2.33

Details of patents and income

generated Nil

Areas of consultancy and income

generated Nil

Faculty selected nationally/ internationally to visit other laboratories/ institutions/ industries in India and abroad

Dr Devi Charan Shetty went in exchange program with Tufts University, Boston in the year 2015 for a period of three weeks to observe take details of their university infrastructure, equipment, study pattern, patient input and inculcate the international trends in academics and patient care in our college.

Faculty serving in a) National committees b) international committees c) Editorial boards d) Any other (specify)

Editorial board

Journal of Dental Specialities

- Dr. Devi Charan Shetty (Assistant Editor)
- Dr. Ankita Tandon(Editorial support)
- Dr. Saurabh Juneja (Editorial support)

Reviewers

Dr. Ankita Tandon:

Journal of Medical Case Reports
Journal of Forensic Dental Science
Journal of Cancer Research and Therapeutics

Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs).

The faculty members regularly attend and are actively involved in leadership programs, teacher training workshops and CDE programs. following is a detailed list of programs attended by the faculty

Dr. Devi Charan Shetty

Attended the Indian Dental Student Conference held at I.T.S Centre for Dental Studies and Research, Ghaziabad in Mar, 2016.

Attended lecture and hands-on course on 'Clinical Photography and Imaging' by Dr. Akhter Husain held at I.T.S Centre for Dental Studies and Research, Ghaziabad in Jan, 2016.

Attended a 'Leadership Skills Workshop' held at I.T.S. -Centre for Dental Studies & Research, Muradnagar on 20th Jan, 2016.

Attended 28th Indian Society for Dental Research Conference held I.T.S Centre for Dental Studies and Research, Ghaziabad in Nov, 2015.

Attended a lecture on Current Opinions in management of Bio-films and Periodontal diseases on 24th September 2015 at ITS-CDSR Muradnagar

Attended a symposium on Oral cancers on 10th April 2015 at I.T.S-CDSR Muradnagar. The lectures were Advances in Surgical management of Oral Cancers by Dr. Umang Mithal, Targeted Radiotherapy: Need of the hour by Dr. Sudarsan De and Targeted therapy in Oral Cancers by Malay Nandy. All the lecturers were from Galaxy Cancer institute New Delhi.

Attended a guest lecture on Oral Cancer Management by Dr. Prabhat Gupta from Dharamshila Hospital and Research Center on 24th April

Attended the 16th IACDE and IES conference held at I.T.S. Centre for dental studies and research from 4th -6th June 2015

Attended a lecture on Prevention and Maintenance of periodontal disease and health by Dr. Ajay Kakar on 12th Jan 2015 at I.T.S.-CDSR.

Attended one-day workshop on 'Current Trends in Education & IQA' held at I.T.S Centre for Dental Studies and Research, Muradnagar in Dec, 2014.

Attended workshop on 'Bioethics in Clinical Research' organized by

Participated in the International Conference of Dental Specialties held at I.T.S Centre for Dental Studies and Research, Muradnagar in May, 2014.

Attended and was part of the organizing team for the IDA student's national conference held at I.T.S-CDSR on 23rd and 24th November 2013.

Attended CDE course on —Biomechanics Simplified at I.T.S Centre for Dental Studies and Research, Ghaziabad in Sept, 2013.

Participated in 11th National Triple —Oll Symposium on 6th September 2013 organized by I.T.S. Dental College Muradnagar and I.T.S. Dental College Greater Noida.

Attended the —15th Postgraduate convention of Prosthodontics held at I.T.S.Dental College, Muradnagar from 14th -16th June 2013.

Attended CDE programme held at I.T.S Centre for Dental Studies and Research, Ghaziabad in by Pierre Fauchard Academy in Dec, 2012.

Attended the 26th PFA-Colgate CDE Programme organized by Pierre Fauchard Academy at I.T.S.-CDSR Muradnagar on 15th December 2012.

Attended and presented a guest lecture on advance diagnostic aids in oral potentially malignant disorders in National triple o conference lucknow held in Sardar patel dental college on 13-15 th july 2012

Attended 10th national conference of Indian Association of Forensic Odontology held at I.T.S Centre for Dental Studies and Research, Ghaziabad in Sep, 2012.

Attended 10th national conference of Indian association of Forensic Odontology held at I.T.S.-CDSR Muradnagar on 7th, 8th and 9th

Attended a Future Dental Professionals Program organized by Colgate at I.T.S.-C.D.S.R on 30th October 2012.

Attended symposium on 'Functional Occlusion' held at IDST Dental College, Modinagar, India in Aug, 2012.

Attended a guest lecture on —Laser for Dental Professional on 30th July 2012 held at I.T.S.-CDSR Muradnagar.

Attended a lecture on —Multi-FOV Dentomaxillofacial CBCT: A firsthand account conducted by Dr. Sharad Sahay at I.T.S. Dental College Muradnagar on 9th January 2012.

- o Attended a workshop on —Pharmacovigilance and Basic life support on 29th May 2012 in the Department of Pharmacology at I.T.S.-CDSR Muradnagar

Dr. Ajit Singh Rathore

Attended the Indian Dental Student Conference held at I.T.S Centre for Dental Studies and Research, Ghaziabad in Mar, 2016.

Attended a —Leadership Skills Workshop held at I.T.S. —Centre for Dental Studies & Research, Muradnagar on 20th Jan, 2016.

Attended 28th Indian Society for Dental Research Conference held I.T.S Centre for Dental Studies and Research, Ghaziabad in Nov, 2015.

Attended 3-day workshop on Teacher training at I.T.S Dental College, Greater Noida from 17-19th October, 2015.

Attended a symposium on Oral cancers on 10th April 2015 at I.T.S.-CDSR Muradnagar. The lectures were Advances in Surgical management of Oral Cancers by Dr. Umang Mithal, Targeted Radiotherapy: Need of the hour by Dr. Sudarsan De and Targeted therapy in Oral Cancers by Malay Nandy. All the lecturers were from Galaxy Cancer institute New Delhi.

Attended a guest lecture on Oral Cancer Management by Dr. Prabhat Gupta from Dharamshila Hospital and Research Center on 24th April 2015 at I.T.S.-CDSR Muradnagar.

Attended the 16th IACDE and IES conference held at I.T.S. Centre for dental studies and research from 4th -6th June 2015

Attended one-day workshop on _Current Trends in Education & IQA held at I.T.S Centre for Dental Studies and Research, Muradnagar in Dec, 2014.

Attended workshop on _Bioethics in Clinical Research‘ organized by I.T.S Ethics Committee in September, 2014.

Participated in the International Conference of Dental Specialties held at I.T.S Centre for Dental Studies and Research, Muradnagar in May, 2014.

Attended and was part of the organizing team for the IDA student’s national conference held at I.T.S-CDSR on 23rd and 24th November 2013.

Attended CDE course on —Biomechanics Simplified|| at I.T.S Centre for Dental Studies and Research, Ghaziabad in Sept, 2013.

Participated in 11th National Triple —O|| Symposium on 6th September 2013 organized by I.T.S. Dental College Muradnagar and I.T.S. Dental College Greater Noida.

Attended the —15th Postgraduate convention of Prosthodontics|| held at I.T.S.Dental College, Muradnagar from 14th -16th June 2013.

Attended CDE programme held at I.T.S Centre for Dental Studies and Research, Ghaziabad in by Pierre Fauchard Academy in Dec, 2012.

Attended the 26th PFA-Colgate CDE Programme organized by Pierre Fauchard Academy at I.T.S.-CDSR Muradnagar on 15th December 2012.

Attended 10th national conference of Indian Association of Forensic Odontology held at I.T.S Centre for Dental Studies and Research,

Attended 10th national conference of Indian association of Forensic Odontology held at I.T.S.-CDSR Muradnagar on 7th, 8th and 9th September 2012.

Attended a Future Dental Professionals Program organized by Colgate at I.T.S.-C.D.S.R on 30th October 2012.

Attended a guest lecture on —Laser for Dental Professional|| on 30th July 2012 held at I.T.S.-CDSR Muradnagar

- Attended a workshop on —Pharmacovigilance and Basic life support|| on 29th May 2012 in the Department of Pharmacology at I.T.S.-CDSR Muradnagar

Dr. Pankaj Jain

Attended the 1st National Dental Bioethics conference at Santosh University Ghaziabad on 18th -19th Nov 2016

Attended the Indian Dental Student Conference held at I.T.S Centre for Dental Studies and Research, Ghaziabad in Mar, 2016.

Attended a —Leadership Skills Workshop held at I.T.S. —Centre for Dental Studies & Research, Muradnagar on 20th Jan, 2016.

Attended 28th Indian Society for Dental Research Conference held I.T.S Centre for Dental Studies and Research, Ghaziabad in Nov, 2015.

Attended a lecture on Current Opinions in management of Bio-films and Periodontal diseases on 24th September 2015 at ITS-CDSR Muradnagar

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Attended workshop on _Bioethics in Clinical Research‘ organized by

Participated in the International Conference of Dental Specialties held at I.T.S Centre for Dental Studies and Research, Muradnagar in May, 2014.

Dr. Ankita Tandon

Attended the 1st National Dental Bioethics conference at Santosh University Ghaziabad on 18th -19th Nov 2016

Attended the Indian Dental Student Conference held at I.T.S Centre for Dental Studies and Research, Ghaziabad in Mar, 2016.

Attended a —Leadership Skills Workshop held at I.T.S. —Centre for Dental Studies & Research, Muradnagar on 20th Jan, 2016.

Dr Saurabh Juneja

Attended the 1st National Dental Bioethics conference at Santosh University Ghaziabad on 18th -19th Nov 2016

Attended the Indian Dental Student Conference held at I.T.S Centre for Dental Studies and Research, Ghaziabad in Mar, 2016.

Attended a —Leadership Skills Workshop held at I.T.S. —Centre for Dental Studies & Research, Muradnagar on 20th Jan, 2016.

Attended 28th Indian Society for Dental Research Conference held I.T.S Centre for Dental Studies and Research, Ghaziabad in Nov, 2015.

Attended a lecture on Current Opinions in management of Bio-films and Periodontal diseases on 24th September 2015 at ITS-CDSR

Attended a symposium on Oral cancers on 10th April 2015 at I.T.S-CDSR Muradnagar. The lectures were Advances in Surgical management of Oral Cancers by Dr. Umang Mithal, Targeted Radiotherapy: Need of the hour by Dr. Sudarsan De and Targeted therapy in Oral Cancers by Malay Nandy. All the lecturers were from Galaxy Cancer institute New Delhi.

Attended a guest lecture on Oral Cancer Management by Dr. Prabhat Gupta from Dharamshila Hospital and Research Center on 24th April 2015 at I.T.S.-CDSR Muradnagar.

Attended the 16th IACDE and IES conference held at I.T.S. Centre for dental studies and research from 4th -6th June 2015

Attended a lecture on Prevention and Maintenance of periodontal disease and health by Dr. Ajay Kakar on 12th Jan 2015 at I.T.S.-CDSR.

Attended one-day workshop on _Current Trends in Education & IQA held at I.T.S Centre for Dental Studies and Research, Muradnagar in Dec, 2014.

Attended workshop on _Bioethics in Clinical Research‘ organized by I.T.S Ethics Committee in September, 2014.

Participated in the International Conference of Dental Specialties held at I.T.S Centre for Dental Studies and Research, Muradnagar in May, 2014.

Attended and was part of the organizing team for the IDA student’s national conference held at I.T.S-CDSR on 23rd and 24th November 2013.

Attended CDE course on —Biomechanics Simplified held at I.T.S Centre for Dental Studies and Research, Ghaziabad in Sept, 2013.

Participated in 11th National Triple —Oll Symposium on 6th September 2013 organized by I.T.S. Dental College Muradnagar and I.T.S. Dental College Greater Noida.

Attended the —15th Postgraduate convention of Prosthodontics held at I.T.S.Dental College, Muradnagar from 14th -16th June 2013.

Attended CDE programme held at I.T.S Centre for Dental Studies and Research, Ghaziabad in by Pierre Fauchard Academy in Dec, 2012.

Attended the 26th PFA-Colgate CDE Programme organized by Pierre Fauchard Academy at I.T.S.-CDSR Muradnagar on 15th December 2012.

Attended 10th national conference of Indian Association of Forensic Odontology held at I.T.S Centre for Dental Studies and Research, Ghaziabad in Sep, 2012.

Attended 10th national conference of Indian association of Forensic Odontology held at I.T.S.-CDSR Muradnagar on 7th, 8th and 9th September 2012.

Attended a Future Dental Professionals Program organized by Colgate at I.T.S.-C.D.S.R on 30th October 2012.

Attended symposium on ‘Functional Occlusion’ held at IDST Dental

Attended a guest lecture on —Laser for Dental Professional on 30th July 2012 held at I.T.S.-CDSR Muradnagar.

Attended a lecture on —Multi-FOV Dentomaxillofacial CBCT: A firsthand account conducted by Dr. Sharad Sahay at I.T.S. Dental College Muradnagar on 9th January 2012.

- o Attended a workshop on —Pharmacovigilance and Basic life support on 29th May 2012 in the Department of Pharmacology at I.T.S.-CDSR Muradnagar

Dr. Anshi Jain

Attended the 1st National Dental Bioethics conference at Santosh University Ghaziabad on 18th -19th Nov 2016

Attended the Indian Dental Student Conference held at I.T.S Centre for Dental Studies and Research, Ghaziabad in Mar, 2016.

Attended a —Leadership Skills Workshop held at I.T.S. –Centre for Dental Studies & Research, Muradnagar on 20th Jan, 2016.

Attended 28th Indian Society for Dental Research Conference held I.T.S Centre for Dental Studies and Research, Ghaziabad in Nov, 2015.

Attended a lecture on Current Opinions in management of Bio-films and Periodontal diseases on 24th September 2015 at ITS-CDSR Muradnagar.

Attended 4days workshop on Teacher training at I.T.S Dental College, muradnagar from 17-19th October, 2015.

Attended a symposium on Oral cancers on 10th April 2015 at I.T.S.-CDSR Muradnagar. The lectures were Advances in Surgical management of Oral Cancers by Dr. Umang Mithal, Targeted Radiotherapy: Need of the hour by Dr. Sudarsan De and Targeted therapy in Oral Cancers by Malay Nandy. All the lecturers were from Galaxy Cancer institute New Delhi.

Attended a guest lecture on Oral Cancer Management by Dr. Prabhat Gupta from Dharamshila Hospital and Research Center on 24th April

Attended the 16th IACDE and IES conference held at I.T.S. Centre for dental studies and research from 4th -6th June 2015

Attended a lecture on Prevention and Maintenance of periodontal disease and health by Dr. Ajay Kakar on 12th Jan 2015 at I.T.S.-CDSR.

Attended one-day workshop on Current Trends in Education & IQA held at I.T.S Centre for Dental Studies and Research, Muradnagar in Dec, 2014.

Attended workshop on 'Bioethics in Clinical Research' organized by

Participated in the International Conference of Dental Specialties held at I.T.S Centre for Dental Studies and Research, Muradnagar in May, 2014.

Dr Ameena Singh

Attended the Indian Dental Student Conference held at I.T.S Centre for Dental Studies and Research, Ghaziabad in Mar, 2016.

Attended 28th Indian Society for Dental Research Conference held I.T.S Centre for Dental Studies and Research, Ghaziabad in Nov, 2015.

Attended a symposium on Oral cancers on 10th April 2015 at I.T.S-CDSR Muradnagar. The lectures were Advances in Surgical management of Oral Cancers by Dr. Umang Mithal, Targeted Radiotherapy: Need of the hour by Dr. Sudarsan De and Targeted therapy in Oral Cancers by Malay Nandy. All the lecturers were from

Attended the 16th IACDE and IES conference held at I.T.S. Centre for dental studies and research from 4th -6th June 2015

Attended a lecture on Prevention and Maintenance of periodontal disease and health by Dr. Ajay Kakar on 12th Jan 2015 at I.T.S.-CDSR.

Attended workshop on 'Bioethics in Clinical Research' organized by

Participated in the International Conference of Dental Specialties held at I.T.S Centre for Dental Studies and Research, Muradnagar in May, 2014.

Dr. Nikita Gulati

Attended 1st National Dental Bioethics conference at Santosh University Ghaziabad on 18th -19th Nov 2016.

Dr. Akanksha Banga

Attended 1st National Dental Bioethics conference at Santosh University Ghaziabad on 18th -19th Nov 2016.

Student projects

• Percentage of students who have taken up in-house projects including inter-departmental projects -

% - All post-graduate students undertake in-house projects which may involve other departments. The in-house projects may be divided into thesis and short studies as listed below.

Research Conducted in-house including inter-departmental research**List of Thesis**

S. No	Topic	PG student (Batch)	Guide	Co-guide
1	Analysis of p53 versus cyclin D1 and its correlation in varying grades of epithelial dysplasia and oral squamous cell carcinoma: An immunohistochemical study	Dr. Deepti Srivastava (Batch 2012-15)	Dr. Ajit Singh Rathore	Dr. Raghu Dhanapal
2	Cytological analysis of oral mucosa in type II diabetic individuals: A morphometric and fluorescent study	Dr. Natasha Thokchom (Batch 2012-15)	Dr. Raghu Dhanapal	Dr. Devi Charan Shetty
3	Biotyping and in-vitro examination of Candida associated with Oral Potentially malignant disorders	Dr. Neha Keshri (Batch 2012-15)	Dr. Kiran Kumar	Dr. Priyanka Rastogi
4	Immunohistochemical expression of HSP70 in oral epithelial dysplasia and oral squamous cell carcinoma	Dr. Neha Khurana (Batch 2012-15)	Dr. Devi Charan Shetty	Dr. Kiran Kumar
5	Microscopic techniques and special stains for integrating histological parameters in the functional staging of Oral submucous fibrosis	Dr. Nidhi Goyal (Batch 2012-15)	Dr. Ajit Singh Rathore	Dr. Priyanka Rastogi
6	Evaluation of myofibroblasts in different grades of oral submucous fibrosis (OSMF) and its role in its pathogenesis	Dr. Shreya Raina (Batch 2012-15)	Dr. Devi Charan Shetty	Dr. Ajit Singh Rathore
7	H-ras oncogene alterations in oral epithelial dysplasia and oral squamous cell carcinoma	Dr. Akanksha Banga (Batch 2013-16)	Dr. Devi Charan Shetty	Dr. AS Rathore, Dr. Ravi Mehrotra, Dr. M Bharwaj, Dr. S Hussain
8	Binding of Ulex europaeus agglutinin I and Bandeirea simplicifolia agglutinin I lectins in oral potentially malignant disorders and oral squamous cell carcinoma.	Dr. Preety Sehrawat (Batch 2013-16)	Dr. Ajit Singh Rathore	Dr. Priyanka Rastogi
9	Prognostic value of GLUT-1 in varying stages of Oral Squamous Cell Carcinoma: An Immunohistochemical study	Dr. Navneet Kaur (Batch 2013-16)	Dr. Devi Charan Shetty	Dr. Pankaj Jain

10	Comparative analysis of oral lichenplanus with or without concomitant dermatological manifestations- A clinicopathological and immunohistochemical study	Dr. Saurav Kumar (Batch 2013-16)	Dr. Ajit Singh Rathore	Dr. Pankaj Jain
11	Comparative analysis of histochemical stains in oral exfoliative cytology in oral potentially malignant disorders and oral squamous cell carcinoma	Dr. Maumita Bhattacharya (Batch 2013-16)	Dr. Pankaj Jain	Dr. Ajit Singh Rathore
12	Expression of E-cadherin and Bcl2 in varying histopathological grades of oral squamous cell carcinoma	Dr. Nikita Gulati (Batch 2013-16)	Dr. Priyanka Rastogi	Dr. Devi Charan Shetty
13	Analysis of tumor associated stromal inflammatory cells in various histopathological grades of OSCC	Dr. Aashka Sethi (Batch 2014-17)	Dr. Ajit Singh Rathore	Dr. Devi Charan Shetty
14	Correlation of the pathophysiological changes with pro vs anti-inflammatory cytokines in periodontal disease progression of smokers and nonsmokers	Dr. Atif Wasim (Batch 2014-17)	Dr. Devi Charan Shetty	Dr. Ajit Singh Rathore
15	Bcl-2 and Bax ratio in molecular characterization in oral potentially malignant disorders and cancer	Dr. Ekadash Saxena (Batch 2014-17)	Dr. Ajit Singh Rathore	Dr. Pankaj Jain
16	Analysis of immunoexpression of extracellular matrix metalloproteinases inducer in KCOT, dentigerous cyst and unicystic ameloblastoma	Dr. Farnaz Yasmin Shah (Batch 2014-17)	Dr. Priyanka Rastogi	Dr. Saurabh Juneja
17	Graded expression of HIF-alpha in oral potentially malignant disorders	Dr. Kanika Sharma (Batch 2014-17)	Dr. Ajit Singh Rathore	Dr. Priyanka Rastogi
18	Correlative study of HIF-alpha and mTOR in various histopathological grades of OSCC	Dr. Sonal Katyal (Batch 2014-17)	Dr. Devi Charan Shetty	Dr. Kiran Mishra, Dr. Ajit Singh Rathore
19	Expression of p53 and mdm2 molecule in different variants of ameloblastoma	Dr. Abhishek Singh (Batch 2015-18)	Dr. Ajit Singh Rathore	Dr. Saurabh Juneja
20	Evaluation of efficiency of FNAC in palpable head and neck lesions and cervical lymphadenopathies	Dr. Akshay Gupta (Batch 2015-18)	Dr. Pankaj Jain	Dr. Priyanka Rastogi

21	Notch1 gene alterations and p63 protein expression in Oral Epithelial Dysplasia And Oral Squamous Cell Carcinoma	Dr. Akriti (Batch 2015-18)	Dr.Devi Charan Shetty	Dr.AS Rathore, Dr.Usha Agrawal, Dr.Fouzia Siraz
22	Expression profile of Retinoblastoma gene and HPV status in Oral potentially malignant disorders and Oral squamous cell carcinoma	Dr. Flora Verma (Batch 2015-18)	Dr. Devi Charan Shetty	Dr. AS Rathore, Dr.Ravi Mehrotra, Dr. S Hussain
23	Characterization of salivary gland tumors on the basis of Proliferative Index of MCM3 and Ki67 immunoexpression	Dr. Ritika Raja (Batch 2015-18)	Dr. Priyanka Rastogi	Dr DC Shetty, Dr. Chandraka nta
24	Immunolocalisation of Epithelial cell adhesion molecule (EpCam) and Matrix Metalloproteinase-2 (MMP-2) and their prognostic relevance in Oral epithelial dysplasia and Oral squamous cell carcinoma	Dr. Shashi Bhal Maurya (Batch 2015-18)	Dr. Devi Charan Shetty	Dr. Saurabh Juneja
25	To study and analyze the expression and pathway respectively of CD99 in odontogenic lesions.	Dr. Harshi	Dr. Pankaj Jain	Dr. Nikita Gulati
26.	Molecular analysis as a guide to determine the extent and pathophysiology of perilesional tissue in oral dysplastic lesions.	Dr. Meenakshi	Dr. Ankita	Dr. S Junjeja Dr. Sanjeev Saxena
27.	Implicating the role of Human Papilloma virus in the etiopathogenesis of Oral Potentially Malignant Disorders and Oral Squamous Cell Carcinoma using Mitochondrial DNA analysis.	Dr. Reema	Dr. Devi Charan Shetty	Dr. Ajit Singh Rathore
28.	Immunoexpression of Transforming Growth Factor-Beta 1 And Alpha smooth muscle Actin in Oral Submucous Fibrosis.	Dr. Iqbal Singh	Dr. Saurabh Juneja	Dr. Anshi jain Dr. Nidhi Goyal
29	To evaluate the role of HPV-16 in the pathogenesis of Verrucopapillary lesion and oral Squamous cell carcinoma	Dr. Manpreet	Dr. Ajit Singh Rathore	Dr. Ankita Tandon Dr. A Banga

List of Short Studies

S. No.	Topic	PG student (Batch)	Guide	Co-guide
1	Oral Exfoliative Cytology As A Screening Tool For Iron Overload In Beta-Thalassemia Patients	Dr. Neha Keshri (Batch 2012-15)	Dr. Devi Charan Shetty	Dr. Saurabh Juneja, Dr. Ajit Singh Rathore
2	Oral manifestations and caries incidence in beta thalassemia patients	Dr. Neha Keshri (Batch 2012-15)	Dr. Devi Charan Shetty	Dr. Saurabh Juneja, Dr. Ajit Singh Rathore
3	Comparative expression of p53 and PCNA in oral epithelial dysplasia, oral lichen planus and OSCC- An immunohistochemical study.	Dr. Nidhi Goyal (Batch 2012-15)	Dr. Devi Charan Shetty	Dr. Saurabh Juneja, Dr. Ajit Singh Rathore
4	Qualitative and quantitative analysis of T- lymphocytes in varying patterns of oral lichen planus	Dr. Shreya Raina (Batch 2012-15)	Dr. Kiran Kumar	Dr. Saurabh Juneja
5	Expression Of P53 In Radicular Cysts And Periapical Granuloma.	Dr. Natasha Thokchom (Batch 2012-15)	Dr. Devi Charan Shetty	Dr. Raghu Dhanapal
6	Analysis of mast cells in odontogenic cysts using Toluyidine blue stain	Dr. Deepti Srivastava (Batch 2012-15)	Dr. Devi Charan Shetty	Dr. Nidhi Narwal
7	Analysis of the anterior dentition visible in photographs and its application to forensic odontology.	Dr. Neha Khurana (Batch 2012-15)	Dr. Kiran Kumar	Dr. Ajit Singh Rathore
8	Comparative analysis of connective tissue capsule in odontogenic cysts using Picrosirius red stain: A polarising microscope study	Dr. Neha Khurana (Batch 2012-15)	Dr. Devi Charan Shetty	Dr. Saurabh Juneja
9	To analyse the concomitant expression of HPV-16 in the pathogenic model of P53 dependent pathway in oral Squamous cell carcinoma	Dr. Nikita Gulati (Batch 2013-16)	Dr. Devi Charan Shetty	Dr. Ajit Singh Rathore, Dr. Anshi Jain
10	Synchronous evaluation of immunohistochemical markers using tissue microarray study	Dr. Nikita Gulati (Batch 2013-16)	Dr. Devi Charan Shetty	Dr. Ajit Singh Rathore
11	Special stains to highlight mitotic figures in oral epithelial dysplasia and oral squamous cell carcinoma	Dr. Nikita Gulati (Batch 2013-16)	Dr. Ajit Singh Rathore	Dr. Saurabh Juneja, Dr. Anshi Jain

12	Role of angiogenetic factors in determining the cancerous propensity of verrucous carcinoma	Dr. Akanksha Banga (Batch 2013-16)	Dr. Devi Charan Shetty	Dr. Ajit Singh Rathore
13	Estimation of serum CRP levels and its correlation with HPV status in oral potentially malignant disorders and oral squamous cell carcinoma	Dr. Akanksha Banga (Batch 2013-16)	Dr. Devi Charan Shetty	Dr. Ajit Singh Rathore, Dr. Saurabh Juneja
14	Radiographic co relation between pulp stones and ageing	Dr. Preety Sehrawat (Batch 2013-16)	Dr. Ajit Singh Rathore	Dr. Priyanka Rastogi
15	Prevalance and distribution of dental anomalies among population of Ghaziabad state	Dr. Navneet Kaur (Batch 2013-16)	Dr. Devi Charan Shetty	Dr. Kiran Kumar
16	Special stains to elicit pathogenesis of AOT: hamartoma or neoplasm	Dr. Navneet Kaur (Batch 2013-16)	Dr. Devi Charan Shetty	Dr. Ajit Singh Rathore
17	Oxidative stress in potentially malignant disorders and oral squamous cell carcinoma	Dr. Kanika Sharma (Batch 2014-17)	Dr. Ajit Singh Rathore	Dr. Saurabh Juneja
18	Unravelling the malignant potential of OSMF: A Morphometric study	Dr. Kanika Sharma (Batch 2014-17)	Dr. Devi Charan Shetty	Dr. Saurabh Juneja
19	Tumor-stromal crosstalk in oral squamous cell carcinoma: A histochemical study	Dr. Ekadash Saxena (Batch 2014-17)	Dr. Devi Charan Shetty	Dr. Ajit Singh Rathore, Dr. Anshi Jain
20	Biochemical analysis of Cyfra-21 concentration and expression of ck-19 in oral potentially malignant disorders.	Dr. Sonal Katyal (Batch 2014-17)	Dr. Devi Charan Shetty	Dr. Ajit Singh Rathore, Dr. Anshi Jain
21	Micronuclei assay as genotoxic marker in OPMDs and OSCC	Dr. Sonal Katyal (Batch 2014-17)	Dr. Ajit Singh Rathore	Dr. Saurabh Juneja
22	MMP-9 in oral dysplastic lesion : A concealed cue to malignancy	Dr. Aashka (Batch 2014-17)	Dr. Devi Charan Shetty	Dr. Ajit Singh Rathore, Dr. Anshi Jain
23	Immunohistochemical expression of Ck 10 and Ck 19 in OKC, OOC and epidermoid cysts	Dr. Aashka (Batch 2014-17)	Dr. Ajit Singh Rathore	Dr. Anshi Jain

24	Unraveling the expression of MMP-9 in OSCC	Dr. Sonal Katyal (Batch 2014-17)	Dr. Devi Charan Shetty	Dr. Ajit Singh Rathore, Dr. Anshi Jain
25	Actinobacillus actinomycescomitans detection in subgingival plaque- PCR Study	Dr. Flora	Dr. Anshi	
26	C-K19 in verrucopapillary lesions	Dr. Flora	Dr. Saurabh	
27	Gallego stain to differentiate hard tissue structure	Dr. Flora	Dr. Anshi	
28	Pleomorphism of Agnor in OPMDs	Dr. Ritika	Dr. Priyanka	
29	P. Gingivalis identification in subgingival paque - PCR analysis	Dr. Aakriti	Dr. Anshi	
30	VOF, masson trichrome and H/e to differentiate stromal hard tissues	Dr. Aakriti	Dr. Ankita	
31	Bax, Bcl-2 ratio in Oral Lichen Planus	Dr. Aakriti	Dr. Anshi	

Percentage of students doing projects in collaboration with other universities/ industry/ institute-

20% students thesis have additionally undertaken research projects in collaboration with other institutes.

16.66% students short studies have additionally undertaken research projects in collaboration with other institutes

Research Conducted in-Collaboration with other universities/ industry/ institute

A. List of Thesis

Topic	PG student	Guide	Co-guide
H-ras oncogene alterations in oral epithelial dysplasia and oral squamous cell carcinoma	Dr. Akanksha Banga (Batch 2013-16)	Dr. Devi Charan Shetty	Dr. Ajit Singh Rathore, Dr. Ravi Mehrotra, Dr. Mausami Bharwaj, Dr. Showket Hussain
Correlative study of HIF-alpha and mTOR in various histopathological grades of OSCC	Dr. Sonal Katyal (Batch 2014-17)	Dr. Devi Charan Shetty	Dr. Kiran Mishra, Dr. Ajit Singh Rathore
Notch1 gene alterations and p63 protein expression in Oral Epithelial Dysplasia And Oral Squamous Cell Carcinoma	Dr. Akriti (Batch 2015-18)	Dr. Devi Charan Shetty	Dr. Ajit Singh Rathore, Dr. Usha Agrawal, Dr. Fouzia Siraz
Expression profile of	Dr. Flora	Dr.	Dr. Ajit Singh

Retinoblastoma gene and HPV status in Oral potentially malignant disorders and Oral squamous cell carcinoma	Verma (Batch 2015-18)	Devi Charan Shetty	Rathore, Dr.Ravi Mehrotra, Dr. Showket Hussain
Characterization of salivary gland tumors on the basis of Proliferative Index of MCM3 and Ki67 immunoexpression	Dr. Ritika Raja (Batch 2015-18)	Dr. Priyanka Rastogi	Devicharan Shetty, Dr. Chandrakanta
Implicating the role of Human Papilloma virus in the etiopathogenesis of Oral Potentially Malignant Disorders and Oral Squamous Cell Carcinoma using Mitochondrial DNA analysis.	Dr. Reema	Dr. Devi Charan Shetty	Dr. Ajit Singh Rathore

List of Short Studies

Topic	PG student	Guide	Co-guide
Estimation of serum CRP levels and its correlation with HPV status in oral potentially malignant disorders and oral squamous cell carcinoma	Dr. Akanksha Banga (Batch 2013-16)	Dr. Devi Charan Shetty	Dr. Ajit Singh Rathore, Dr. Saurabh Juneja
Oxidative stress in potentially malignant disorders and oral squamous cell carcinoma	Dr. Kanika Sharma (Batch 2014-17)	Dr. Ajit Singh Rathore	Dr. Saurabh Juneja
Biochemical analysis of Cyfra-21 concentration and expression of ck-19 in oral potentially malignant disorders.	Dr Sonal Katyal (Batch 2014-17)	Dr. Devi Charan Shetty	Dr. Ajit Singh Rathore, Dr. Anshi Jain
MMP-9 in oral dysplastic lesion : A concealed cue to malignancy	Dr. Aashka (Batch 2014-17)	Dr. Devi Charan Shetty	Dr. Ajit Singh Rathore, Dr. Anshi Jain
Unraveling the expression of MMP-9 in OSCC	Dr. Sonal Katyal (Batch 2014-17)	Dr. Devi Charan Shetty	Dr. Ajit Singh Rathore, Dr. Anshi Jain
Actinobacillus actinomycetemcomitans detection in subgingival plaque- PCR Study	Dr. Flora	Dr. Anshi	
P. Gingivalis identification in subgingival paque - PCR analysis	Dr. Aakriti	Dr. Anshi	

Awards / recognitions received at the national and international level by

Faculty

Dr. Seema Sikka won the First Prize in best paper award in 'Xth National conference of Indian Association of Forensic odontology', at ITS Dental College, Ghaziabad, from 7-9th September, 2012.

Dr. Saurabh Juneja, Dr. Raghu Dhanapal and Dr. Nidhi Narwal won the second prize in Poster category on „Saliva as an advanced diagnostic fluid: An area unexplored‘ at 'International Conference of Dental Specialities‘ at ITS Dental College, Murad Nagar, Ghaziabad from 9-10th May 2014.

Dr. Garima Jain won the Second prize in paper presentation in faculty category in ISDR conference held in November 2015 at I.T.S. Dental College, Muradnagar.

Post Graduates

Dr. Meenakshi Chowdhary, Dr. Apama Pathak & Dr. Archana Kumari won the best paper in the National conference of Oral Medicine, Oral Pathology & Oral Surgery held at Lucknow from 13th to 15th July. 2012.

Dr. Amit Gupta, Dr. Meenakshi Chowdhary won the first prize in best paper category in 'Xth National conference of Indian Association of Forensic odontology', at ITS Dental College, Ghaziabad, from 7-9th September, 2012.

Dr. Deepti Srivastava won the Second prize for best paper in National Triple O Symposium held at I.T.S.Greater Noida from 6th -

Dr. Akanksha Banga, Dr. Saurabh Juneja won the best poster award on —Estimation of serum CRP levels and its correlation with HPV status in oral potentially malignant disorders and oral squamous cell carcinoma|| at IAOMP National Conference, held in Bangalore from 28th to 30th November, 2014.

Dr. Atif Wasim, PG student, was selected in the Young Dental Researcher programme at ITS Dental College, Murad Nagar,

Dr. Nikita Gulati won the Best Post graduate Scientific paper in 28th National ISDR Conference held on 19th - 21st November, 2015 at I.T.S. Dental College, Muradnagar.

Dr. Akriti and Dr. Flora Verma won the best poster award on topic —Paradental cyst- a clinical enigma and histopathological dilemma|| in XIV National Triple O Symposium, held in Subharti Dental College, Meerut, 4th -6th march 2016.

Pulkit Gupta and Aamna Khan (Under graduate students) won the first prize in Scientific paper category (Original research) in Indian Dental Association National Students Dental Conference at I.T.S. Dental College, Muradnagar from 14th -16th March 2016.

Dr. Aashka Sethi won the first prize in Scientific paper in Indian Dental Association National Students Dental Conference at I.T.S. Dental College, Muradnagar from 14th -16th March 2016.

Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any

S. No	Title	Date	Source of Funding	Attended By
1.	Conference and hands on workshop on Molecular techniques in forensic odontology by Dr. Ashith Acharaya	7 th sept 2012- 9 th sept 2012	Delegates' Registration Fee	More than 100 delegates
2.	Conference and workshop on immunohistochemistry and its application in X1th National triple O conference	3 rd sept'13- 5 th sept'13	Delegates' Registration Fee	More than 100 delegates
4.	Workshop on PCR and its application in international conference of dental specialities	9 th - 10 th May 2014	Delegates' Registration Fee	More than 100 delegates
5.	Workshop on — Blood and Dental Plaque as Molecular tools- theories and practices	12 th Dec 2016	Delegates' Registration Fee	More than 80 delegate

A Code of ethics for research followed by the departments

All the research projects of the department are sent to the Institutional Research Committee to check for the feasibility and then forwarded to the Institutional Ethical Committee for approval. The Institutional Ethical Committee is recognized by the Government of India and follows the ICMR Ethical Guidelines for Biomedical Research on Human participants, 2006 and the Helsinki Declaration Human Medical Experimentation Ethics Document, 2008.

Student profile program-wise

Name of the Program	Application received	Selected		Pass percentage %	
		Male	Female	Male	Female
BDS					
2012	350	20	77	95%	96.7%
2013	263	26	74	88.46%	97.36%
2014	249	26	74	100%	98.64%
2015	292	23	77	Ongoing batch	
2016	263	14	47	Ongoing batch	

MDS					
2012		0	6		100%
2013	152	1	5	0%	100%
2014	132	1	5	Ongoing batch	
2015	109	3	3	Ongoing batch	
2016	136	1	5	Ongoing batch	

Diversity of students

Name of the Program	% of students from the same University	% of students from other University within the State	% of students From University outside the State	% of Students from other Countries
MDS 2012	16.66%	33.32%	49.98%	NIL
2013	33.32%	50%	16.66%	NIL
2014	50%	16.66%	33.32%	NIL
2015	50%	50%	NIL	NIL
2016	50%	32.33%	16.66%	NIL

How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise

Nil

35. Student progression

Student progression	Percentage enrolled
UG TO PG	40%
PG TO M.PHIL, DM/	Nil
PG TO Ph.D	3.3%
Ph.d to Post Doctoral	Nil
Employed	
❖ Campus selection	19.23%
❖ Other than campus recruitment	30.77
Entrepreneurs	50%

36. Diversity of staff

Percentage of faculty who are graduates	
Of the same university	33.33%
from other universities within the State	22.22%
from universities from other states	44.44%
from universities outside the country	0%

Number of faculty who were awarded M.Phil., DM, M Ch, Ph.D., D.Sc. and D.Litt. during the assessment period

Nil

Present details of departmental infrastructural facilities with regard to

Library :

The department is equipped with a library which has 91 titles also stocks copies of all the thesis and library dissertations from previous years for ready reference.

Internet facilities for staff and students

Department is well connected with campus WiFi of 20 MBPS speed for internet access to staff as well as students. The students also have access to WiFi in their hostels after college hours.

Total number of class rooms

There are four classrooms in the college as per DCI requirement which are used by all the departments for conducting lectures for BDS students. In addition, the department is also equipped with a seminar room for post-graduate students.

Class rooms with ICT facility and „smart“ class rooms

All the classrooms are smart classrooms and have ICT facility. Two classrooms are equipped with smart boards.

Students“ laboratories

The department is equipped with two laboratories, one is histopathology lab for MDS students and one for undergraduates.

Research laboratories

In- house state-of -the-art research centre is available the facilities of which are being utilized by the department. The research centre has facilities for conducting research in the fields of genomics, proteomics, microbiology, biochemistry.

List of doctoral, post-doctoral students and Research Associates

- | | |
|-------------------------------------------|-----|
| a) from the host institution/university : | Nil |
| b) from other institutions/universities : | Nil |

Number of post graduate students getting financial assistance from the university

Nil

Was any need assessment exercise undertaken before the development of new program (s)? If so, highlight the methodology

See number 42.

Does the department obtain feedback from

faculty on curriculum as well as teaching-learning-evaluation?

If yes, how does the department utilize the feedback?

Regular feedback is obtained from faculty regarding curriculum and teaching methodology. This feedback is discussed regularly on monthly basis in department with HOD and appropriate measures are enforced. It was noted by the faculty that the students did not revise the topics taught in the previous class which hampered the continuity of the lectures. It was then decided to hold a small 10mins revision before the next lecture begins.

Curriculum enrichment is done from time to time and newer topics with present day relevance are added, which also helps to enhance the scope of the subject. Newer methods of teaching, discussions are undertaken to generate interest including study mould, casts and graphs. Extra classes are conducted for slow learners.

students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Yes, the college collects Feedback Forms from the students on Staff, Curriculum and Teaching which are assessed periodically. Areas of improvement are shortlisted and rectified in consultation with the Faculty. The teachers are motivated, teaching patterns modified and upgraded with regular monitoring. For eg post graduates wanted a deca headed research microscope in the department as number of post graduates are 6 per year and also various immunohistochemical molecules, primer sequences, DNA extraction kit to carry out various research studies. Request has been considered and favours has been done.

alumni and employers on the programs offered and how does the department utilize the feedback?

Yes there is a formal system of taking feedback from alumni at the annual alumni meet. Feedback is used to improve & strengthen teaching methodology and infrastructure. It was felt by our alumni that we were lacking in various models which can easily elaborate various mucosal lesions and easy to remember various lesions their terminologies, various syndromes and different kind of special stains. So accordingly request has been considered and changes has been done in the department in the form of charts and models.

List the distinguished alumni of the department (maximum 10)

Dr Natasha Thokchom joined as microbiologist in government hospital, Manipur.

Give details of student enrichment programs (special lectures / workshops seminar) involving external experts.

A workshop on Research methodology and evidence based practice was conducted on 17 April 2012 by Dr. S. Narasimman, Professor in Father Muller Medical College, Mangalore.

A scientific lecture was organized on 09 Jan 2012 on multi-fov Dental and Maxillofacial CBCT by Dr. Sharad Sahai, a renowned Oral and Maxillofacial Radiologist.

A symposium cum workshop was organized on pharmacovigilance and —Basic Life Support on 29th May 2012 by Professor H.M.S. Rehan, Lady Harding Medical College.

10th National Conference of Indian Association of Forensic Odontology

—Molecular Insights into Forensic Odontology was organized on the 7th, 8th and 9th Sept 2012.

A CDE Program on —Full Mouth Rehabilitation as part of 26th PFA convocation & award ceremony was organized by Dr Veena Jain (Hod Dept. of Prosthodontics CDER, AIIMS).

15th Indian Prosthodontic Society's Post Graduate Student National Convention was held from 14th – 16th June, 2013.

A Continuing Dental Education Program titled —Biomechanics Simplified was conducted on the 24th September 2013, by Dr. Jayesh S. Rahalkar, D.Y. Patil Dental College Pune and Dr. Chetan V. Jayade, CKS Theja Dental College Tirupati.

An International Conference was organized on 9th and 10th May, 2014 in association with International Association of General Dentistry.

A workshop was organized on —Bioethics In Clinical Research on 1st September, 2014 by Dr. Sachin Manocha (Asth. Prof. Vardhman Mahavir Medical College, Safdarjung Hospital), Dr. V. Kalaiselvan (Principal Scientific Officer, Indian Pharmacopoeia Commission) and Dr. Prem Chopra Renowned Pathologist Ex. AIIMS, Sr. Consultant Sir Ganga Ram Hospital.

Lecture on the importance of —Periodontal Health and Maintenance AAS conducted on 12th of January by Dr. Ajay Kakkar, an alumnus of Nair Dental College and Hospital is a specialist Periodontist and Oral Implantologist.

On occasion of the golden jubilee year of the Indian Orthodontic Society, the department of Orthodontics took part in the Smile Torch campaign to increase awareness among the general public about orthodontic treatment on 12th February, 2015.

On 27th March 2015, a CDE was conducted jointly by the Department Of Oral & Maxillofacial Surgery & the Mirell Dental

Implant Systems on the topic — Innovations In Implantology by Dr. Ronin Brodovski, an eminent implantologist from Tel Aviv, Israel. The 16th IACDE PG Convention was held from 4th to 6th June 2015.

A lecture was organized on —Career Options in North America and Practice Management Tips by Dr. Shakti Singh, FRCD {Canada}, Faculty University of Toronto on 17th September, 2015.

Indian Dental Student Conference was conducted on 15th and 16th March, 2016 in association with Indian Dental Association, Comprehensive Implantology course was conducted on 7th March, 2016 as a part of Dentist Day Celebrations by Dr Lanka Mahesh (Visiting Professor, University of Murcia, Spain; Asia Pacific Brand Ambassador, International College of Oral Implantologists and course co-ordinator- Bioner)

A symposium cum workshop was conducted by the department of pharmacology on 3rd August, 2016 on basic life support by Dr Rajesh Kalra.

A single day workshop was conducted on —Microvascular Fibula Free Flap Reconstruction of the mandible, a live surgical Demonstration on 30th August 2016 by Dr. Rajan Arora, consultant plastic surgeon at Rajiv Gandhi Cancer Hospital, New Delhi.

A 2 day workshop was conducted on —Practice Management, module – 2 on 28th-29th September 2016 by Dr. Ajit Shetty.

List the teaching methods adopted by the faculty for different programs including clinical teaching.

The department employs innovative teaching methods which include audio-visual aids, one on one discussions combined with the conventional ones. Theoretical topics are covered with power-point presentations which includes diagrammatic explanations as well as case examples to make them more visually appealing. These presentations are updated regularly to incorporate advances in knowledge. The students are also encouraged to present seminars and extempore presentations. The flipped learning approach is an innovative method employed to involve the students actively in the teaching-learning process. The students are encouraged to attend workshops, continuing education programs and conferences by eminent national as well as international faculty. Practical classes students are motivated to see slides of various mucosal cases and draw diagrams as well as clinical history of various mucosal lesions has been discussed with the student. For 1st year bds student various carving methodology has been demonstrated by using audio –visual aids.

How does the department ensure that program objectives are constantly met and learning outcomes are monitored?

The program objectives are based on the principles of knowledge, skill and attitude. Written and practical exams are conducted at regular intervals to monitor progress, assess theoretical knowledge and clinical

skill of students. The diagnostic skills are assessed through presentation of cases on a weekly basis. Theoretical knowledge is assessed on basis of seminar and journal club presentations. And by conducting various research studies on the newer concept molecular pathology.

Highlight the participation of students and faculty in extension activities. Students and faculty regularly participate in:

S.No.	Date of events	Name of Events
1	18/02/2012	Euphoria (A Cultural Extravaganga)
2	06/03/2012	Dentist Day Celebration
3	07/03/2012	World Health Day celebration
4	24/03/2012	World T.B.Day celebration
7	06/04/2012	ITS Mohan Nagar (special camp)
10	05/09/2012	Teachers day celebration
11	13/09/2012	World Oral Health Day celebration
12	29/08/2012 to 30/08/2012	Dental Health Programme at Deep Memorial Public School
13	29/08/2012 to 30/08/2012	dental Health Programme at Cambridge School
16	30/11/2012 to 01/12/2012	Occlusion 2012
17	30/03/2013	Alumni meet 2013 convocation
18	06/04/2013	World Health Day celebration
19	22/04/2013 to 27/04/2013	Sports Day
20	03/05/2013 to 04/05/2013	Inter batch competition- Euphoria 2013
21	31/05/2013	World No Tobacco Day
22	12/07/2013	Prize distribution ceremony for " Euphoria 2013"
24	12/08/2013	International Xenth Day
25	22/08/2013	Pledge Day in collaboration with colgate Palmolive India Ltd. And ACFF (Alliance for Cavity free future)
26	05/09/2013	Teacher's Day celebration
27	13/09/2013	Fresher's Party of 14th BDS Batch (2013-17)
28	01/10/2013	International Geriatric Day
29	14/11/2013	Children's Day celebration
30	04/02/2014	World Cancer Day
31	13/02/2014	Oral & Maxillofacial Surgeon's Day
33	05/04/2014	Annual Convocation ceremony & Alumni Meet
34	07/04/2014	Awareness of exercise of voting rights
35	06/08/2014 to 08/08/2014	Euphoria- 2014 Academic excellence & cultural award day
36	05/09/2014	Teachers Day celebration

37	19/09/2014	Fresher's party 15th Batch BDS (2014-18)
38	27/08/2014	Cancer screening camp
41	12/12/2014 to 13/12/2014	Occlusion 2014
42	02/03/2015	White Coat ceremony
44	04/04/2015	Convocation ceremony & Alumni Meet - 15
45	28/05/2015 to 30/05/2015	Euphoria 2015 "Interclass Cultural Fiesta"
47	16/09/2015	Hostel Day celebration
48	21/09/2015	Fresher's Party 16th Batch BDS (2015-2020)
49	01/10/2015	World Elderly day celebration
51	14/11/2015	Children's day celebration Theme of celebration: "Join us to make this nation a 'Smile Selfie' nation"
52	04/02/2016	World Cancer Day
53	06/02/2016	White Coat Ceremony
54	16/02/2016 to 18/02/2016	Staff Development Program
55	08/03/2016	Women's Day Celebrations
56	20/03/2016	World Oral Health Day 2016

Both Undergraduate and postgraduate students are also actively involved in the camps held by Department of Community Dentistry.

S.No.	Year	Total No. of Camps Held
1.	2012	153
2.	2013	162
3.	2014	167
4.	2015	150
5	2016	126

Give details of “beyond syllabus scholarly activities” of the department.

The department encourages students to participate in scholarly activities which are beyond their syllabus. For example, under-graduate students have presented posters in conferences under the guidance of faculty. The post-graduate students are encouraged to take up short-term research work in addition to their thesis which inculcates a taste for research and literature review and helps to develop a better understanding of statistical methods before they take up thesis work. The additional research undertaken is also presented at national and inter-national forums such as conventions and conferences. Students have participated in continuing dental education programs and workshops conducted by other specialties to enhance their knowledge base and encourage lateral thinking in terms of inter-disciplinary approach.

Some of the programs attended by the post-graduate students are listed below:

Pharmacovigilance and Basic life support on 29th May 2012 at ITS-CDSR Muradnagar.

10th National conference of Forensic Odontology on 7th – 9th Sep 2012 at ITS- CDSR Muradnagar.

—Delhi Dental Show‘ held at Pragati Maidan, New Delhi on 12th to 14th Oct. 2012.

lecture by Colgate/ IDA for future dental professionals programme on 31st Oct 2012 in ITS-CDSR, Muradnagar.

26th PFA Colgate CDE program‘ held at ITS Greater Noida on 15th dec.2012.

Workshop on Dental Sleep Medicine- Perspectives and Strategies for management on 16th Feb 2013 in ITS-CDSR, Muradnagar.

Attended CDE on —Slim tip – soft approach| at I.T.S CDSR, Muradnagar on 14th Sept 2013.

Indian Dental Student Conference at I.T.S CDSR, Muradnagar on 23rd & 24th Nov 2013.

International Conference of Dental Specialties at I.T.S CDSR Muradnagar on 9th & 10th May 2014.

Workshop on Bioethics in Clinical Research at ITS Dental College on 1st Sept 2014.

Lecture on —Current trends in education and IQA| at ITS Dental College on 20th Dec 2014.

Student Exchange Program Tufts School of Dental Medicine at Boston, USA on 5th-18th July 2015.

Pre-Conference Course on Implantology for beginners| at I.T.S-C.D.S.R on 18th Nov 2015.

Lecture on —Orthopaedic v/s Orthognathic and Nasoalveolar Moulding| at TMU University on 12th Jan 2016.

—IDA Student Conferencel at I.T.S.-C.D.S.R on 15th -16th March 2016

—Workshop on Dental Sleep Medicine, Sleepcon at India habitat centrel, New Delhi on 25th March 2016.

Personality Development Program at I.T.S.-C.D.S.R on 16th April 2016.

Lecture —TMJ/TMD and Orofacial pain by dr. Davis Thomas at Santosh University on 2nd July 2016.

—28th ISDR Conferencel at I.T.S.-C.D.S.R on 20th -22nd Nov 2016.

Comprehensive Implantology Program being conducted in collaboration with Bioner Implants and recognized by ICOI (International Congress of Oral Implantologists).

State whether the program/ department is accredited/ graded by other agencies? If yes, give details.

All the programs are recognized by the Dental Council of India

Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

Research projects are undertaken to address lacunae in the existing literature and to attempt to add new knowledge to the specialty. Research work is also done in collaboration with other departments. Other than the dissertation which is a part of the curriculum students are encouraged to take up short research studies and challenging cases to add to their knowledge. Newer advances (micro-implants, lingual orthodontics) in treatment modalities are adopted to increase the standard of care along with enhancing knowledge.

Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strength of the department-

Good faculty,
Well equipped infrastructure,
Up to date research activities as an ongoing process.

Weakness- all the techniques and material required for research methodology are expensive.

Opportunities- due to advance centre for research as a part of our department various other colleges and hospitals send us samples for advance researches as well as their post graduate students conduct various research based thesis, short studies in our department
The department has tie-ups with various colleges like IIT, AIIMS, UCMS, ICMR for conducting studies.

Challenges – updating technology and research both in knowledge and infrastructure.

Future plans of the department.

To conduct various research work in molecular fields for early detection of oral cancer and oral potentially malignant disorders. In addition, also to incorporate and to upgrade the armamentarium according to the upcoming advancements in diagnostic technique.

**DEPARTMENT OF HUMAN ANATOMY, EMBRYOLOGY,
HISTOLOGY & MEDICAL GENETICS**

Name of the Department:

Department of Human Anatomy, Embryology, Histology & Medical Genetics

Year of

establishment: 2000

Is the Department part of a college/Faculty of the university

Department is part of ITS Dental College, Muradnagar, Ghaziabad which is affiliated to Choudhary Charan Singh University, Meerut.

Names of programs offered (UG, PG, PharmD, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.)

UG- BDS

Interdisciplinary programs and departments involved

The department collaborates with other dental specialties to promote interdisciplinary learning program for the students

Courses in collaboration with other universities, industries, foreign institutions, etc.

Nil

Details of programs discontinued, if any, with

reasons Nil

Examination System: Annual/Semester/Trimester/Choice Based Credit System

BDS: Annual University Examination System, Internal assessment in each trimester

Participation of the department in the courses offered by other departments.

Attended workshop on pharmacovigilance in 2012 and attended workshop on medical emergencies in 2016

**Number of teaching posts sanctioned, filled and actual
(Professors/Associate Professors/Asst. Professors/others)**

	Sanctioned (As per DCI requirements)	Filled
Professor	0	1
Associate professor/Reader	1	0
Lecturer	02	04

Faculty profile with name, qualification, designation, area of area of specialization, experience and research under guidance

S. No	Name	Qualification	Designation	Specialization	Experience
1.	Dr Vishal	MBBS, MD	Professor	Anatomy	11 Yrs
2.	DrNitin Aggarwal	MBBS, MD	Lecturer	Anatomy	2 yrs
3.	Dr A. Kulkarni	BDS, MSc	Lecturer	Anatomy	2 Months
4.	Dr Manu Gupta	MSc	Lecturer	Anatomy	1 Month
5.	Dr Swati Ghandhi	MBBS, MS	Lecturer	Anatomy	1 Month

List of senior Visiting Fellows, adjunct faculty, emeritus professors

Nil

Percentage of classes taken by temporary faculty – program-wise information

There is no temporary faculty associated with the department.

Program-wise Student Teacher Ratio

B.D.S – 25:1

M.D.S- 12:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

S. No.	Sanctioned	Filled
Support staff(technical)	1	1
Administrative staff	1	1

16. Research thrust areas as recognized by major funding agencies

Nil

Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

Nil

Inter-institutional collaborative projects and associated grants received a) National collaboration b) International collaboration

Nil

Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received

Nil

Research facility / centre with :
State recognition
National recognition
International recognition

In-house state-of-the-art research centre is available in the institution, facilities of which are being utilized by the department.

Special research laboratories sponsored by / created by industry or corporate bodies

Nil

Publications:

- **Number of papers published in peer reviewed journals (national / international)**

Total number of papers = 2 (National 1, international 1)

2013

Tyagi H, Modgil V, Nath M. Metabolic syndrome: the prevalence of mounting public health problem in ghaziabad India .*jpast*2013:3 (2), 86-8

2015

Tyagi H, Modgil V, Tyagi S .Biochemical consideration of hsCRP as a bond cursor to metabolic syndrome.*J Pure ApplSci Technol*.2015: 5, 32-40

- **Monographs:** Nil
- **Chapters in Books:** Nil
- **Books edited:** Nil
- **Books with ISBN with details of publishers:** Nil

24. Areas of consultancy and income generated

	2016	2015	2014
Number of patients	37129	37539	42788
Income generated	22,18,980	19,67,870	9,55,035

25. Faculty selected nationally/ internationally to visit other laboratories/ institutions/ industries in India and abroad

Nil.

26. Faculty serving in a) National committees b) international committees c) Editorial boards d) Any other (specify)

S.No.	Faculty Name	Reviewer of National/International Journals
1	Dr. Sonali Taneja	Annals of Medical Health and Sciences (Pubmed indexed)
2	Dr. Sonali Taneja	Journal of Conservative Dentistry (Pubmed indexed)
3	Dr. Sonali Taneja	Iranian Endodontic Journal (Pubmed indexed)
4.	Dr.Sonali Taneja	Journal of Oral and Dental Health(Official Journal of MS Ramaiah University of Health Sciences and Research)
5.	Dr. Sonali Taneja	Endodontology
6.	Dr. Sonali Taneja	Journal of Dental Specialities
7.	Dr. Chetna Dudeja	Journal of Dental Specialities

Faculty serving as members of steering committees of national and international organizations/societies.

S.No.	Faculty Names	National/International Organizations/Societies
1	Dr. Sonali Taneja	EC member of Indian Association of Conservative Dentistry and Endodontics (2013-2014)
2	Dr. Sonali Taneja	EC member of Indian Endodontic Society (2014-2015)
3	Dr. Sonali Taneja	EC member of Indian Endodontic Society (2016-2017)

Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs).

The faculty members regularly attend and are actively involved in leadership programs, teacher training workshops and CDE programs. following is a detailed list of programs attended by the faculty

Numbers listed in International database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database- International Social Sciences Directory, EBSCO host, Medline, etc.)

All the publications are listed in International database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database- International Social Sciences Directory, EBSCO host, Medline, etc.)

Citation Index

Faculty	Citations since 2011	No. of Publications	Avg.	Range	Dept. Avg.
Dr Vishal	30	2	7.5	0- 7.5	6
Dr Nitin Aggarwal	0	0	0		
Dr A. Kulkarni	0	0	0		
Dr Manu Gupta	0	0	0		
Dr Swati	0	0	0		

SNIP

SJR

Impact factor- range/ average

H-Index

Faculty	H-Index
Dr Vishal modgil	2
Dr Nitin Aggarwal	0
Dr A. Kulkarni	0
Dr Manu Gupta	0
Dr Swati Ghandhi	0
Total	2

H-Index- 2

Range - 0-7.5

Average- 6

Details of patents and income

generated Nil

Areas of consultancy and income

generated Nil

Faculty selected nationally/ internationally to visit other laboratories/ institutions/ industries in India and abroad

Nil.

Faculty serving in a) National committees b) international committees c) Editorial boards d) Any other (specify)

Nil

Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs).

Attended BLS workshop program conducted by department of pharmacology ,2016

- Attended leadership program at I.T.S-CDSR,Muradnagar, Ghaziabad 2016
- Teacher training program at its greater noida ,2015

Student projects-

Percentage of students who have taken up in-house projects including inter-departmental projects -

Research Conducted in-house including inter-departmental research

List of Thesis

Nil

List of Short Studies Nil

Percentage of students doing projects in collaboration with other universities/ industry/ institute-

Nil

Research Conducted in-Collaboration with other universities/ industry/ institute

List of Thesis

Nil

List of Short Studies Nil

Awards / recognitions received at the national and international level by

Nil

Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any

Nil

A Code of ethics for research followed by the departments

All the research projects of the department are sent to the Institutional Research Committee to check for the feasibility and then forwarded to

the Institutional Ethical Committee for approval. The Institutional Ethical Committee is recognized by the Government of India and follows the ICMR Ethical Guidelines for Biomedical Research on Human participants, 2006 and the Helsinki Declaration Human Medical Experimentation Ethics Document, 2008.

Student profile program-wise

Name of the Program	Application received	Selected		Pass percentage %	
		Male	Female	Male	Female
BDS					
2012	350	20	77	95%	96.7%
2013	263	26	74	88.46%	97.36%
2014	249	26	74	100%	98.64%
2015	292	23	77	Ongoing batch	
2016	263	14	47	Ongoing batch	

Diversity of students

N.A.

How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise

Nil

35. Student progression

NA

36. Diversity of staff

Percentage of faculty who are graduates	
Of the same university	0
from other universities within the State	0
from universities from other states	100
from universities outside the country	0%

Number of faculty who were awarded M.Phil., DM, M Ch, Ph.D., D.Sc. and D.Litt. during the assessment period

NIL

Present details of departmental infrastructural facilities with regard to

Library :

The department is equipped with a library which has 117 books

Internet facilities for staff and students

Department is well connected with campus WiFi of 20 MBPS speed for internet access to staff as well as students. The students also have access to WiFi in their hostels after college hours.

Total number of class rooms

There are four classrooms in the college as per DCI requirement which are used by all the departments for conducting lectures for BDS students. In addition, the department is also equipped with a seminar room for post-graduate students. And three demo rooms

Class rooms with ICT facility and „smart“ class rooms

All the classrooms are smart classrooms and have ICT facility. Two classrooms are equipped with smart boards.

Students“ laboratories

The department is equipped with two laboratories, one for BDS students and one anatomical museum

Research laboratories

In- house state-of -the-art research centre is available the facilities of which are being utilized by the department. The research centre has facilities for conducting research in the fields of genomics, microbiology, metallurgy, biochemistry and radiology (CBCT).

List of doctoral, post-doctoral students and Research Associates

- a) from the host institution/university : Nil
- b) from other institutions/universities : Nil

Number of post graduate students getting financial assistance from the university

Nil

Was any need assessment exercise undertaken before the development of new program (s)? If so, highlight the methodology

See number 42.

Does the department obtain feedback from

**faculty on curriculum as well as teaching-learning-evaluation?
If yes, how does the department utilize the feedback?**

Regular feedback is obtained from faculty regarding curriculum and teaching methodology. This feedback is discussed in monthly department & HOD meetings and appropriate measures are enforced. It was noted by the faculty that the students did not revise the topics taught to them which hampered the continuity of the succeeding lectures. It was then decided to hold a short question and

answer session of 5-10 minutes based on the topic of last lecture and then proceed with the new lecture.

students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Yes, the college collects Feedback Forms from the students on Staff, Curriculum and Teaching which are assessed periodically. Areas of improvement are shortlisted and rectified in consultation with the Faculty. For example the department started to use digital atlas with conventional atlases and specimens

alumni and employers on the programs offered and how does the department utilize the feedback?

Yes there is a formal system of taking feedback from alumni at the annual alumni meet. Feedback is used to improve & strengthen teaching methodology and infrastructure.

List the distinguished alumni of the department (maximum 10) Nil

Give details of student enrichment programs (special lectures / workshops seminar) involving external experts.

Nil

List the teaching methods adopted by the faculty for different programs including clinical teaching.

The department employs innovative teaching methods combined with the conventional ones. Theoretical topics are covered with power-point presentations which are made interesting with illustrations, diagrams and case examples to make them more visually appealing. These presentations are updated regularly to incorporate advances in knowledge. The students are also encouraged to present seminars and symposiums. The flipped learning approach is an innovative method employed to involve the students actively in the teaching-learning process. Sometimes department follows a team teaching approach for better learning.

How does the department ensure that program objectives are constantly met and learning outcomes are monitored?

The program objectives are based on the principles of knowledge, skill and attitude. Emphasis is placed on outcome based education. Written and practical exams at regular intervals serve to monitor progress and assess theoretical knowledge and clinical applied anatomy of students. The students are instilled with a compassionate attitude towards their patients. Feedback is obtained from the patients and conveyed to the concerned student to assess their professional attitude and

communication skills.

Highlight the participation of students and faculty in extension activities. Students and faculty regularly participate in:

S.No.	Date of events	Name of Events
1	18/02/2012	Euphoria (A Cultural Extravaganga)
2	28/07/2012	World Hepatitis Day
3	05/09/2012	Teachers day celebration
4	30/03/2013	Alumni meet 2013 convocation
5	06/04/2013	World Health Day celebration
6	22/04/2013 to 27/04/2013	Sports Day
7	12/07/2013	Prize distribution ceremony for " Euphoria 2013"
8	29/07/2013	World Hepatitis Day (Know IT,Confront IT)
9	05/09/2013	Teacher's Day celebration
10	13/09/2013	Fresher's Party of 14th BDS Batch (2013-17)
11	05/04/2014	Annual Convocation ceremony & Alumni Meet
12	06/08/2014 to 08/08/2014	Euphoria- 2014 Academic excellence & cultural award day
13	05/09/2014	Teachers Day celebration
14	19/09/2014	Fresher's party 15th Batch BDS (2014-18)
15	12/12/2014 to 13/12/2014	Occlusion 2014
16	02/03/2015	White Coat ceremony
17	04/04/2015	Convocation ceremony & Alumni Meet - 15
18	28/05/2015 to 30/05/2015	Euphoria 2015 "Interclass Cultural Fiesta"
19	28/07/2015	World Hepatitis day
20	16/09/2015	Hostel Day celebration
21	21/09/2015	Fresher's Party 16th Batch BDS (2015-2020)
22	06/02/2016	White Coat Ceremony

Give details of “beyond syllabus scholarly activities” of the department.

The department encourages students to participate in scholarly activities which are beyond their syllabus. For example, under-graduate students have presented posters in conferences under the guidance of faculty

State whether the program/ department is accredited/ graded by other agencies? If yes, give details.

All the programs are recognized by the Dental Council of India

Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

A Research projects are undertaken to address lacunae in the existing literature and to attempt to add new knowledge to the specialty. Research work is also done in collaboration with other departments.

Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

STRENGTH

- Integrated teaching
- students feedback back system
- Student - teacher interaction
- Maintenance of students records through software program
- Presence of bone bank in the department

WEAKNESS

- No interaction of students with the patients in first year
- No provision of regular clinical case presentation
- Clinical exposure to students to cater better teaching
- Increased use of atlases and more models in the department
- Improving the expression of students

OPPORTUNITIES

- Instill in student the respect or the human form
- Impart knowledge relevant to the real world situations
- To ignite the curiosity of the students
- To promote group study
- To tell the students the importance of discussion

CHALLENGES

- Motivate the students of hindi medium background and to encourage them for better performance
- Integrate national health program with in the existing curriculum
- Frequent undergraduate education exchange program
- Impress upon the students the requirement of indepth knowledge for handling clinical case scenarios.
- To break the age old perception about anatomy

Future plans of the department.

To integrate clinical anatomy with anatomy teaching and introduce more interactive devices to facilitate teaching & learning. the department will try and lay more stress on radiological anatomy along with other realms of anatomy .

DEPARTMENT OF HUMAN PHYSIOLOGY & BIOCHEMISTRY

Name of the Department:

Department of Human Physiology & Biochemistry

Year of

establishment: 2000

Is the Department part of a college/Faculty of the university

Department is part of ITS Dental College, Muradnagar, Ghaziabad which is affiliated to Choudhary Charan Singh University, Meerut.

Names of programs offered (UG, PG, PharmD, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.)

UG- BDS

Interdisciplinary programs and departments involved

The department collaborates regularly with other specialties to encourage and develop an inter-disciplinary approach to provide better teaching to the students. The department regularly conduct inter-departmental meetings & seminars for the students with department of Human anatomy & various faculties of the other department are appointed to judge the seminar presentations of the students.

Courses in collaboration with other universities, industries, foreign institutions, etc.

Nil

Details of programs discontinued, if any, with reasons Nil

Examination System: Annual/Semester/Trimester/Choice Based Credit System

BDS: Annual University Examination System, Internal assessment in each trimester.

Participation of the department in the courses offered by other departments

- Attended workshop on Pharmaco-vigilance workshop conducted by the Department of Pharmacology on 29th May 2012.
- Attended workshop on Basic Life Support held at ITS Centre for Dental Studies , Ghaziabad , September – 2016

**Number of teaching posts sanctioned, filled and actual
(Professors/Associate Professors/Asst. Professors/others)**

	Sanctioned (As per DCI requirements)	Filled
Professor	0	1
Associate professor/Reader	2	1
Assistant professor/ Senior lecturer/ Tutor	04	04

Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

For research under guidance refer to Question no. 28

S. No	Name	Qualification	Designation	Specialization	Experience
1.	Dr Ashish Behl	MBBS, MD	Professor and Head	Physiology	11 Years
2.	Dr Sunil Dwivedi	MSc, PhD	Reader	Biochemistry	11 Years 8 months
3.	Mrs Dipti soni	MSc	Lecturer	Biochemistry	11 Years
4.	Dr Archana Agrawal	MSc PhD	Lecturer	Physiology	5 Years
5	Dr Soumya Tiwari	MBBS	Lecturer	Pathology	8 months
6	Dr Arun Kr Malviya	MBBS	Lecturer	Pathology	8 months

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

Nil

13. Percentage of classes taken by temporary faculty – program-wise information

There is no temporary faculty associated with the department.

14. Program-wise Student Teacher Ratio

B.D.S– 16:1

M.D.S- 8:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

S. No.	Sanctioned	Filled
Support staff(technical)	1	1
Administrative staff	1	1

16. Research thrust areas as recognized by major funding agencies

Nil

Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

Nil

Inter-institutional collaborative projects and associated grants received a) National collaboration b) International collaboration Nil.

Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received Nil

Research facility / centre with :

State recognition

National recognition

International recognition

In-house state-of-the-art research centre is available in the institution, facilities of which are being utilized by the department.

Special research laboratories sponsored by / created by industry or corporate bodies

Nil

Publications:

Number of papers published in peer reviewed journals (national international)

6 (National 4, International 2)

Year-wise list of publications

2012

Kumar V, Kalara P, Kumar S, Dwivedi S. —Role of magnesium and zinc on type 2 DM for improving oral health. BFUDJ. 2012; 3(2):65-67

2013

K.Subhashbose, Vyas P, Dwivedi S, Sing M. —Quantitative evaluation and correlation of serum glycoconjugates: Protein Bound Hexoses, Sialic Acid and Fucose in Leukoplakia, Oral Sub Mucous Fibrosis and Oral Cancer. J Nat ScBiolMed.. 2013;4:122-125.

2014

Shama N, Shori G, Jaipuria DS- Effects of single dose of citrullinmalleate on performance in collegiate male athletes. Romanian Journal of Physical Therapy 2014 May;20:33.

2015

Lahariya S, Sarkar P, Dwivedi S. "Role of adipokines in periodontal disease with diabetes mellitus and without diabetes mellitus", Int J Biol Med Res. 2015;6(3):5078-5081.

2016

Rath R, Tevatia S, Rath A, Behl A, Modgil V, Sharma N. Mucoadhesive system in dentistry: a review. International Journal of Dental Research (IJDR). 2016;4(2):582-86.

Jaipuria DS, Singh AK(Jr), Shama S- Salivary & serum glucose in relation to HbA1c levels in type 2 diabetes mellitus. SMU Medical Journal. 2016 Jan;3(1):2349 – 1604.

- **Monographs:** Nil

Chapters in Books:

One chapter published as co-author —Saliva as a diagnostic tool in Lambert Academic Publication Sept 2012 pages no 1-96

- **Books edited:** Nil
- **Books with ISBN with details of publishers:** Nil

Numbers listed in International database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database- International Social Sciences Directory, EBSCO host, Medline, etc.)

All the publications are listed in International database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database- International Social Sciences Directory, EBSCO host, Medline, etc.

Citation Index

Faculty	Citations since 2011	No. of Publications	Avg.	Range	Dept. Avg.
DrAshish Behl	0	1	0.0	0	0
Dr. Sunil Dwivedi	0	3	0.0	0	0
Mrs. Dipti Soni	0	2	0.0	0	0
DrArchana Agrawal	0	0	0.0	0	0
Mrs Soumya Tiwari	0	0	0.0	0	0
DrArun Kr Malviya	0	0	0.0	0	0

SNIP
SJR
Impact factor- range/ average
H-Index

Faculty	H-Index
DrAshishBehl	0
Dr Sunil Dwivedi	0
MrsDiptiSoniJaipuriarl	0
DrArchanaAgrawal	0
MrsSoumyaTiwari	0
DrArun Kr Malviya	0
Total	0

H-Index- 0
 Range - 0-1
 Average= 0

Details of patents and income generated Nil

Areas of consultancy and income generated Nil

Faculty selected nationally/ internationally to visit other laboratories/ institutions/ industries in India and abroad Nil

Faculty serving in a) National committees b) international committees c) Editorial boards d) Any other (specify) Nil

Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs).

The faculty members of the department are actively involved in leadership programs, teacher training workshops and workshop on basic life support programs following is a detailed list of programs attended by the faculty

Dr. Ashish Behl

Attended workshop on Pharmaco-vigilance workshop conducted by the Department of Pharmacology on 29th May 2012.

Attended workshop on — Current Trends in Education and IQA — held at ITS Centre for Dental Studies , Ghaziabad , December – 2014.

Workshop on — current trends in education and IQA”- 2014

- Attended workshop on Basic Life Support held at ITS Centre for Dental Studies , Ghaziabad , September – 2016

Attended workshop on Teachers Training Programme held at ITS Centre for Dental Studies , Greater Noida on 17- 19 th October – 2015.

Attended a —Leadership Skills Workshop held at I.T.S. –Centre for Dental Studies & Research, Muradnagar on 20th Jan, 2016.

Attended Indian Dental Student Conference held at ITS Centre for Dental Studies , Ghaziabad, Muradnagar on 15-16th March 2016.

Attended CME on Revised National Tuberculosis Control Programme organized by Chest clinic shahdaradelhi on 17th July 2016.

Dr. Sunil Dwivedi

Dr. Sunil Dwivedi Participated Faculty leadership workshop on 20th Jan, 2016 at ITS-CDSR – Muradnagar- Ghaziabad.

Dr. Sunil Dwivedi, attended One Day Workshop on —Current trends in education & IQA on 20th December, 2014 at ITS-CDSR , Ghaziabad.

Attended a —Leadership Skills Workshop held at I.T.S. –Centre for Dental Studies & Research, Muradnagar on 20th Jan, 2016.

- Attended workshop on Basic Life Support held at ITS Centre for Dental Studies , Ghaziabad , September – 2016

Dipti Soni Jaipuria

Participated in two Research Methodology Workshop by IADVL at MAMC, New Delhi and ICMR – Institute of Cytology, NOIDA in 2014.

Participated in CME on Biomarkers in Clinical Medicine and Research on 26.4.2014 at Santosh Medical College, Ghaziabad.

Presented papers in National conference ACBICON-2013, ACBICON 2014, ACBICON 2015 and International conference ICONBAP-2013.

Attended One Day Workshop on —CURRENT TRENDS IN EDUCATION & IQA on December 20th , 2014 at ITS-CDSR, Ghaziabad.

Attended PATHCON & LAB EXPO 2015 on December 12-13, 2015.

Participated in the workshop on —Quality Concepts in Laboratory Medicine in PATHCON 2015.

Attended workshop on FLOWCYTOMETRY on 27th November, 2016 at Santosh Hospital, Ghaziabad.

Attended the conference & two workshops in PATHCON 2016, on December 17-18, 2016 at IHC, New Delhi.

Workshop 1:- Body Fluids & Urine – Examination & Cytology

Workshop 2:- Management of Clinical Labs – Role of IT.

Presented a paper on — Relationship between Sialic Acid and markers of Type II Diabetes Mellitus in blood and saliva. under oral presentation category on December 18th ,2016 in PATHCON 2016.

- Attended workshop on Basic Life Support held at ITS Centre for Dental Studies , Ghaziabad , September – 2016

Student projects

Percentage of students who have taken up in-house projects including inter-departmental projects -

Topic	Students	Mentor
Saliva :- Window of overall health	Aayushi Gupta BDS II yr. AanchalPandey BDS II yr. Megha Sharma BDS II yr.	Mrs Dipti Soni Jaipuriar

Research Conducted in-house including inter-departmental research

List of Thesis Nil

Percentage of students doing projects in collaboration with other universities/ industry/ institute-
Nil

List of Short Studies Nil

Awards / recognitions received at the national and international level by

FACULTY Nil

STUDENTS Nil

Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any
Nil

A Code of ethics for research followed by the departments

All the research projects of the department are sent to the Institutional Research Committee to check for the feasibility and then forwarded to the Institutional Ethical Committee for approval. The Institutional Ethical Committee is recognized by the Government of India and follows the ICMR Ethical Guidelines for Biomedical Research on Human participants, 2006 and the Helsinki Declaration Human Medical Experimentation Ethics Document, 2008.

Student profile program-wise

Name of the Program	Application received	Selected		Pass percentage %	
		Male	Female	Male	Female
BDS 2012	350	20	77	95%	96.7%
2013	263	26	74	88.46%	97.36%
2014	249	26	74	100%	98.64%
2015	292	23	77	Ongoing batch	
2016	263	14	47	Ongoing batch	

Diversity of students

NA

How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise

Nil

35. Student progression

NA

36. Diversity of staff

Percentage of faculty who are graduates	
Of the same university	0%
from other universities within the State	16%
from universities from other states	68%
from universities outside the country	16%

Number of faculty who were awarded M.Phil., DM, M Ch, Ph.D., D.Sc. and D.Litt. during the assessment period

DrArchanaAgrawal was awarded PhD in the year 2016 from Subharti University.

Present details of departmental infrastructural facilities with regard to**Library :**

The department is equipped with a library which has 264 books .

Internet facilities for staff and students

Department is well connected with campus WiFi of 20 MBPS speed for internet access to staff as well as students. The students also have access to WiFi in their hostels after college hours.

Total number of class rooms

There are four classrooms in the college as per DCI requirement which are used by all the departments for conducting lectures for BDS students. In addition, three demonstration rooms for undergraduate students.

Class rooms with ICT facility and „smart“ class rooms

All the classrooms are smart classrooms and have ICT facility. Two classrooms are equipped with smart boards.

Students“ laboratories

The department is equipped with Human & haematology labs with all the facilities for BDS & MDS students.

Research laboratories

In- house state-of -the-art research centre is available the facilities of which are being utilized by the department. The research centre has facilities for conducting research in the fields of genomics, microbiology, metallurgy, biochemistry and radiology (CBCT).

List of doctoral, post-doctoral students and Research Associates

- a. **from the host institution/university :** Nil
- b. **from other institutions/universities :** Nil

Number of post graduate students getting financial assistance from the university

Nil

Was any need assessment exercise undertaken before the development of new program (s)? If so, highlight the methodology

See number 42.

Does the department obtain feedback from

- a) **faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?**

Regular feedback is obtained from faculty regarding curriculum and teaching methodology. This feedback is discussed in monthly department & HOD meetings and appropriate measures are enforced. It was noted by the faculty that the students did not revise the topics taught to them which hampered the continuity of the succeeding lectures. It was then decided to hold a short question and answer session of 5-10 minutes based on the topic of last lecture and then proceed with the new lecture. Postgraduate feedback is utilized to improvise the teaching.

students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Yes, the department collects Feedback Forms from the students on Staff, Curriculum and Teaching which are assessed periodically. Areas of improvement are shortlisted and rectified in consultation with the Faculty. For example the undergraduate students reported that they have not understood a topic taken by a faculty so the same topic was rescheduled and was given to the other faculty & again feedback was taken for the same.

alumni and employers on the programs offered and how does the department utilize the feedback?

Yes there is a formal system of taking feedback from alumni at the annual alumni meet. Feedback is used to improve & strengthen teaching methodology and infrastructure. It was felt by our alumni that we were lacking an advanced teaching method . It was then felt that different new teaching method should be adopted. Secondly, students wants to refer the lectures in advance so we started uploading power point of the lectures 15 days in advance.

List the distinguished alumni of the department (maximum 10) Nil

Give details of student enrichment programs (special lectures/workshops seminar) involving external experts.

Nil

List the teaching methods adopted by the faculty for different programs including clinical teaching.

The department employs innovative teaching methods combined with the conventional ones. Theoretical topics are covered with power-point presentations which are made interesting with illustrations, diagrams and case examples to make them more visually appealing. These presentations are updated regularly to incorporate advances in knowledge. The students are also encouraged to present seminars and symposiums. The flipped learning approach is an innovative method employed to involve the students actively in the teaching-learning process. Clinical training is reinforced with clinical case discussions. .The students are encouraged to attend workshops, continuing education programs and conferences. Evidence based clinical practice is encouraged. The department also practices Objective Structured Clinical Examination (OSCE) &Objective structured practical examination (OSPE) for ex amphibians graph discussions on regular basis .

How does the department ensure that program objectives are constantly met and learning outcomes are monitored?

The program objectives are based on the principles of knowledge, skill and attitude. Emphasis is placed on outcome based education. Written and practical exams at regular intervals serve to monitor progress and

assess theoretical knowledge and clinical skill of students. The presentations skills are assessed through presentation of seminars and group discussions on a weekly basis. The students are instilled with a compassionate attitude towards seminar.

Highlight the participation of students and faculty in extension activities. Students and faculty regularly participate in:

S.No.	Date of events	Name of Events
1	18/02/2012	Euphoria (A Cultural Extravaganga)
2	05/09/2012	Teachers day celebration
3	30/11/2012 to 01/12/2012	Occlusion 2012
4	30/03/2013	Alumni meet 2013 convocation
5	22/04/2013 to 27/04/2013	Sports Day
6	03/05/2013 to 04/05/2013	Inter batch competition- Euphoria 2013
7	12/07/2013	Prize distribution ceremony for " Euphoria 2013"
8	05/09/2013	Teacher's Day celebration
9	13/09/2013	Fresher's Party of 14th BDS Batch (2013-17)
10	14/11/2013	Children's Day celebration
11	05/04/2014	Annual Convocation ceremony & Alumni Meet
12	06/08/2014 to 08/08/2014	Euphoria- 2014 Academic excellence & cultural award day
13	05/09/2014	Teachers Day celebration
14	19/09/2014	Fresher's party 15th Batch BDS (2014-18)
15	12/12/2014 to 13/12/2014	Occlusion 2014
16	02/03/2015	White Coat ceremony
17	04/04/2015	Convocation ceremony & Alumni Meet – 15
18	28/05/2015 to 30/05/2015	Euphoria 2015 "Interclass Cultural Fiesta"
19	16/09/2015	Hostel Day celebration
20	21/09/2015	Fresher's Party 16th Batch BDS (2015-2020)
21	06/02/2016	White Coat Ceremony

Give details of “beyond syllabus scholarly activities” of the department.

Under the guidance of faculty the department encourages students to participate in scholarly activities which are beyond their syllabus. The under-graduate students have presented posters in conferences. The faculty also guides students about how to write papers, review of literature etc.

State whether the program/ department is accredited/ graded by other agencies? If yes, give details.

Nil

Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

The department generates new knowledge whether basic or applied by discussing clinical examinations & symptoms discussions in subjects. The students are constantly being encouraged to refer to books of international repute also being motivated to visit library regularly, to keep their knowledge updated. Also research projects are undertaken to address lacunae in the existing literature and to attempt to add new knowledge to the specialty.

Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strength:

- Integrated teaching
- Students feedback system
- Active student- teacher interaction
- Student - teacher interaction
- Use of modern techniques in quality teaching and learning activities & well equipped labs.

Weakness:

- Lack of Participation in training programs at National/ International level
- Few opportunities for Collaborative Research.
- Few opportunities for publishing research article in high impact journal.
- Student- patient interaction & art of history taking should be a part of curriculum.
- Proper informations regarding communicable diseases should be delivered to students fom time to time

Oppurtunities:

- Clinical exposure to students to cater better teaching.
- Involvement in National health programme
- To inculcate students with latest clinical/ non-clinical updates.l
- Utilization of Central research centre among students.
- Better placement of students at National/International levels.

Challenges:

- General awareness regarding oral health hazards.
- Motivate the students of hindi medium , to encourage them for better

performance

Personality development programmes for the students to increase their overall performances

Frequent undergraduate education exchange program.

Improvisation of students academically and technically as per the recent trends to withstand community requirements.

Future plans of the department.

- The Department of Human Physiology & Biochemistry will maintain higher values in education, health care based biochemistry lecture & research
- To set up a Pulmonary function test lab & advanced biochemistry lab.

DEPARTMENT OF PHARMACOLOGY

Name of the Department:

Department of Pharmacology

Year of

establishment: 2000

Is the Department part of a college/Faculty of the university

Department is part of ITS Dental College, Muradnagar, Ghaziabad which is affiliated to Choudhary Charan Singh University, Meerut.

Names of programs offered (UG, PG, PharmD, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.)

UG- BDS

Interdisciplinary programs and departments involved

The department regularly collaborates with other specialties to encourage and develop an inter-disciplinary approach to provide better teaching to the students. Inter-departmental meetings are conducted in the form of seminars with Department of pathology and microbiology and basic life support training program.

Courses in collaboration with other universities, industries, foreign institutions, etc.

Nil

Details of programs discontinued, if any, with

reasons Nil

Examination System: Annual/Semester/Trimester/Choice Based Credit System

BDS: Annual University Examination System, Internal assessment in each trimester

Participation of the department in the courses offered by other departments

Nil

**Number of teaching posts sanctioned, filled and actual
(Professors/Associate Professors/Asst. Professors/others)**

	Sanctioned (As per DCI requirements)	Filled
Professor	0	1
Associate professor/Reader	1	0
Assistant professor/ Senior lecturer/ Tutor	03	03

Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

For research under guidance refer to Question no. 28

S. No	Name	Qualification	Designation	Specialization	Experience
1.	Dr Rishi Rath	MBBS, MD	Professor & Head	Pharmacology	14 Years 10 Months
2.	DrSanjeev Jain	MBBS	Lecturer	-	1 Years
3.	DrMukul	MBBS	Lecturer	-	1 Years
4.	Dr Manish Gaur	MBBS	Lecturer	-	1 Year

List of senior Visiting Fellows, adjunct faculty, emeritus professors

Nil

Percentage of classes taken by temporary faculty – program-wise information

There is no temporary faculty associated with the department.

Program-wise Student Teacher Ratio

B.D.S – 25:1

M.D.S- 12:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

S. No.	Sanctioned	Filled
Support staff(technical)	1	1
Administrative staff	1	1

16. Research thrust areas as recognized by major funding agencies

Nil

Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

Nil

Inter-institutional collaborative projects and associated grants received a) National collaboration b) International collaboration

Nil.

Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received

Nil

Research facility / centre with :
State recognition
National recognition
International recognition

In-house state-of-the-art research centre is available in the institution and facilities of which are being utilized by the department.

Special research laboratories sponsored by / created by industry or corporate bodies

Nil

Publications:

- **Number of papers published in peer reviewed journals (national / international)**
Total no. of paper =7(National 1, International 6)

Year-wise list of publications

2013

JainC, BhargavaA, Gupta S, Rath R , Nagpal A, Kumar P. Spectrophotometric evaluation of the colour changes of different feldspathic porcelains after exposure to commonly consumed beverages. Eur J Dent. 2013;7(2):172-80

2016

- 2) RathR, TevatiaS, RathA, BehlA, ModgilV, Sharma N. Mucoadhesive system in dentistry : a review . International Journal of Dental Research (IJDR). 2016;4(2):582-86.
RathR ,Gupta R , RathA .Antimicrobial Resistance: A global threat. Imperial Journal of Interdisciplinary Research. 2016; 2(7):130-34.

- 4) TevatiaS, RathA, RathR, Sharma N, DodwadV. Nanotechnology: the beginning of new era. International Journal of Enhanced Research in Medicine and Dental care (IJERMDC). 2016;3(4):8-14.
TevatiaS, ChaudharyS, RathR, DodwalV. A Questionnaire based survey on knowledge, attitude and practice on antibiotics among dental and paramedical students - a cross sectional survey. World Journal of Pharmacy and Pharmaceutical Sciences. 2016;5(5):1205-16.
RathR, TevatiaS. Pharmacokinetic study of Isoniazid and Rifampicin in patients suffering from antitubercular drugs (ATD) induced hepatotoxicity. Journal of Bioequivalence and Bioavailability. 2016.vol 8(6): 290-293.
- 7) KashyapV, RathR, TevatiaS. Evaluation of the anaesthetic efficacy of 4% Articaine with 1:200000 epinephrine versus 2% lignocaine with 1:200000 epinephrine in simple extraction of mandibular posterior tooth. Journal of Bioequivalence and Bioavailability 2016.vol 8(6): 285-89.

- **Monographs:** Nil
 - **Chapters in Books:** Nil
 - **Books edited:** Nil
- Books with ISBN with details of publishers:**

- 1) Advanced diagnostic aids in periodontal diseases - published by Lambert's academic publisher – 2016 (co-author - Rath R (2016). Advance Diagnostic Aids for Periodontal Disease. Lambert Publication, Germany. 133pp. ISBN:-978-3-659-88567-9

Numbers listed in International database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database- International Social Sciences Directory, EBSCO host, Medline, etc.)

All the publications are listed in International database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database- International Social Sciences Directory, EBSCO host, Medline, etc.

Citation Index

Faculty	Citations since 2011	No. of Publications	Avg.	Range	Dept. Avg.
DrRishi	5	8	0.62	0- 0.62	0.15
DrSanjeev	0	0	0		
DrMukul	0	0	0		
Dr Manish	0	0	0		

SNIP
SJR
Impact factor- range/ average
H-Index

Faculty	H-Index
Dr Rishi Rath	1
DrSanjeev	0
DrMukul	0
Dr Manish	0
Total	1

H-Index- 1
 Range - 0-1
 Average- $1/4 = 0.25$

Details of patents and income

generated Nil

Areas of consultancy and income

generated Nil

Faculty selected nationally/ internationally to visit other laboratories/ institutions/ industries in India and abroad

Nil

Faculty serving in a) National committees b) international committees c) Editorial boards d) Any other (specify)

Nil

Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs).

The faculty members regularly attend and are actively involved in leadership programs, teacher training workshops and workshop on basic life support programs following is a detailed list of programs attended by the faculty

Dr. Rishi Rath

CDE titled „Endodontics Today“ held by dept. of Conservative Dentistry and Endodontics at I.T.S. CDSR, Muradnagar on 23rd Sept, 2011
 Attended workshop on Pharmaco-vigilance workshop conducted by the Department of Pharmacology on 29th May 2012.

Attended workshop on — Current Trends in Education and IQA — held at ITS Centre for Dental Studies , Ghaziabad , December – 2014. Workshop on — current trends in education and IQA- 2014
 Attended workshop on Basic Life Support held at ITS Centre for Dental Studies , Ghaziabad , September – 2016
 Attended CME on Revised National Tuberculosis control program organized by chest clinic Delhi on 11th July 2016.
 Attended a —Leadership Skills Workshop held at I.T.S. –Centre for dental Studies & Research, Muradnagar on 20th Jan, 2016
 Attended Indian Dental Student Conference-2016 held at ITS-CDSR from 15th – 16th March 2016.

Student projects

Percentage of students who have taken up in-house projects including inter-departmental projects -

The in-house projects may be divided into thesis and short studies as listed below.

Research Conducted in-house including inter-departmental research

List of Thesis

Students Name	Title of Thesis	Guide	Co-Guide
Dr Chandni Jain	Spectrophotometric evaluation of the colour changes of different feldspathic porcelains after exposure to commonly consumed beverages	Dr. Akshay Bhargawa	Dr. Rishi Rath
Dr. Vaibhav Mukand (2014)	Clinical investigation of different routes of administration of methylprednisolone on post operative inflammation after mandibular third molar surgery.	Dr Sanjeev	Dr Rishi Rath
Dr.Hanish Choudhary (2014)	Comparative evaluation of effect of different beverages on surface hardness of various restorative materials – an in vivo study.	Dr Pragya	Dr Rishi Rath
Dr. Priyanka Katyal (2014)	Chemical trial of curcuminoids. A chemopreventive agent of oral leukoplakia and its effect on frequency of oral micromuculeate cells. A Randomized controlled trial.	Dr Shivanand	Dr Rishi Rath
Dr Sarvesh Kumar Mishra (2014) :	Comparative evaluation of the color stability and surface roughness of two commercially available monolithic zirconia following exposure to commonly consumed beverages – an in vitro study	Dr Praful Mehra	Dr Rishi Rath

Percentage of students doing projects in collaboration with other universities/ industry/ institute-

Nil

B. List of Short Studies

Department of Pharmacology and department of Pedodontics conducted a short study with a title Deproteinization as an effective enamel bond enhancer – an in vitro study – PallaviHasiza ,MeeraSandhu ,VinodSachdev, Rishi Rath

Awards / recognitions received at the national and international level by**FACULTY**

DrRishi Rath awarded a certificate by American School For Continuing Medical Education on General Practice Specialist on line programe on Pain.

STUDENTS

Nil

Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any

S. No	Title	Date	Source of Funding	Attended By
1.	Symposium cum workshop on medical emergencies in dental practices and Pharmacovigilance	29/05/2012	Institute	More than 100 delegates
2.	Workshop on Basic life support	03/08/2016	Institute	More than 100 delegates

A Code of ethics for research followed by the departments

All the research projects of the department are sent to the Institutional Research Committee to check for the feasibility and then forwarded to the Institutional Ethical Committee for approval. The Institutional Ethical Committee is recognized by the Government of India and follows the ICMR Ethical Guidelines for Biomedical Research on Human participants, 2006 and the Helsinki Declaration Human Medical Experimentation Ethics Document, 2008.

Student profile program-wise

Name of the Program	Application received	Selected		Pass percentage %	
		Male	Female	Male	Female
BDS					
2012	350	20	77	95%	96.7%
2013	263	26	74	88.46%	97.36%
2014	249	26	74	100%	98.64%
2015	292	23	77	Ongoing batch	
2016	263	14	47	Ongoing batch	

Diversity of students

NA

How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise

Nil

35. Student progression

Nil

36. Diversity of staff

Percentage of faculty who are graduates	
Of the same university	0%
from other universities within the State	25%
from universities from other states	75%
from universities outside the country	0%

Number of faculty who were awarded M.Phil., DM, M Ch, Ph.D., D.Sc. and D.Litt. during the assessment period

Nil

Present details of departmental infrastructural facilities with regard to

Library :

The department is equipped with a library which has 116 books and also stocks copies of all the thesis from previous years for ready reference.

Internet facilities for staff and students

Department is well connected with campus WiFi of 20 MBPS

speed for internet access to staff as well as students. The students also have access to WiFi in their hostels after college hours.

Total number of class rooms

There are four classrooms in the college as per DCI requirement which are used by all the departments for conducting lectures for BDS students. In addition, three demonstration room for undergraduate students.

Class rooms with ICT facility and „smart“ class rooms

All the classrooms are smart classrooms and have ICT facility. Two classrooms are equipped with smart boards.

Students“ laboratories

The department is equipped with pharmacy laboratory with all the facilities for BDS students. Department is also having electronic weighing machine for the precise work.

Research laboratories

In- house state-of -the-art research centre is available the facilities of which are being utilized by the department. The research centre has facilities for conducting research in the fields of genomics, microbiology, metallurgy, biochemistry and radiology (CBCT).

List of doctoral, post-doctoral students and Research Associates

- | | |
|-------------------------------------------|-----|
| a) from the host institution/university : | Nil |
| b) from other institutions/universities : | Nil |

Number of post graduate students getting financial assistance from the university

Nil

Was any need assessment exercise undertaken before the development of new program (s)? If so, highlight the methodology

See number 42.

Does the department obtain feedback from

- a) **faculty on curriculum as well as teaching-learning-evaluation?**
If yes, how does the department utilize the feedback?

Regular feedback is obtained from faculty regarding curriculum and teaching methodology. This feedback is discussed in monthly department & HOD meetings and appropriate measures are enforced. It was noted by the faculty that the students did not revise the topics taught to them which hampered the continuity of the succeeding lectures. It was then decided to hold a short question and

answer session of 5-10 minutes based on the topic of last lecture and then proceed with the new lecture. Postgraduate feedback is also utilized to improvise the teaching.

students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Yes, the college collects Feedback Forms from the students on Staff, Curriculum and Teaching which are assessed periodically. Areas of improvement are shortlisted and rectified in consultation with the Faculty. For example the undergraduate students of second year are not understanding mechanism of drug action then with the help animation it becomes clear to them .

alumni and employers on the programs offered and how does the department utilize the feedback?

Yes there is a formal system of taking feedback from alumni at the annual alumni meet. Feedback is used to improve & strengthen teaching methodology and infrastructure. It was felt by our alumni that we were lacking an advanced teaching method . It was then felt that different new teaching method should be adopted . Secondly , students wants to refer the lectures in advance so we started uploading power point of the lectures 15 days in advance.

List the distinguished alumni of the department (maximum

10) Nil

Give details of student enrichment programs (special lectures / workshops seminar) involving external experts.

A symposium cum workshop was organized department of pharmacology on pharmacovigilance and —Basic Life Support on 29th May 2012 by Professor H.M.S. Rehan of Lady Harding Medical College.

Medical emergencies in dental practices and Basic Life Support training program on 3rd September, 2016.

List the teaching methods adopted by the faculty for different programs including clinical teaching.

The department employs innovative teaching methods combined with the conventional ones. Theoretical topics are covered with power-point presentations which are made interesting with illustrations, diagrams and case examples to make them more visually appealing. These presentations are updated regularly to incorporate advances in knowledge. The students are also encouraged to present seminars and symposiums. The flipped learning approach is an innovative method employed to involve the students actively in the teaching-learning

process. Clinical training is reinforced with clinical case discussions. The department ensures that each student should understand the clinical applications of pharmacology. The students are encouraged to attend workshops, continuing education programs and conferences. Evidence based clinical practice is encouraged. Department also practices Objective Structured Clinical Examination (OSCE) and objective structured practical examination (OSPE). Department also carry out group discussion, tutorial and seminar for better understanding.

How does the department ensure that program objectives are constantly met and learning outcomes are monitored?

The program objectives are based on the principles of knowledge, skill and attitude. Emphasis is placed on outcome based education. Written and practical exams at regular intervals serve to monitor progress and assess theoretical knowledge and clinical skill of students. The presentations skills are assessed through presentation of seminars and group discussions on a weekly basis. The students are instilled with a compassionate attitude towards seminar and evidence base study.

Highlight the participation of students and faculty in extension activities. Students and faculty regularly participate in:

S.No.	Date of events	Name of Events
1	18/02/2012	Euphoria (A Cultural Extravaganga)
2	05/09/2012	Teachers day celebration
3	30/11/2012 to 01/12/2012	Occlusion 2012
4	22/04/2013 to 27/04/2013	Sports Day
5	03/05/2013 to 04/05/2013	Inter batch competition- Euphoria 2013
6	05/09/2013	Teacher's Day celebration
7	13/09/2013	Fresher's Party of 14th BDS Batch (2013-17)
8	05/04/2014	Annual Convocation ceremony & Alumni Meet
9	06/08/2014 to 08/08/2014	Euphoria- 2014 Academic excellence & cultural award day
10	05/09/2014	Teachers Day celebration
11	19/09/2014	Fresher's party 15th Batch BDS (2014-18)
12	12/12/2014 to 13/12/2014	Occlusion 2014
13	02/03/2015	White Coat ceremony
14	04/04/2015	Convocation ceremony & Alumni Meet – 15
15	28/05/2015 to 30/05/2015	Euphoria 2015 "Interclass Cultural Fiesta"
16	16/09/2015	Hostel Day celebration
17	21/09/2015	Fresher's Party 16th Batch BDS (2015-2020)
18	06/02/2016	White Coat Ceremony
19	16/02/2016 to 18/02/2016	Staff Development Program

Give details of “beyond syllabus scholarly activities” of the department.

The department encourages students to participate in scholarly activities which are beyond their syllabus. For example, under-graduate students have presented posters in conferences under the guidance of faculty. The post-graduate students are encouraged to take up short-term research work in addition to their thesis which inculcates a taste for research and literature review and helps to develop a better understanding of statistical methods before they take up thesis work. Department organizes workshop to for the undergraduate and post graduate students to enhance their knowledge base and encourage lateral thinking in terms of inter-disciplinary approach.

Some of the programs attended by the students are listed below:

Pharmacovigilance and Basic life support on 29th May 2012 at ITS-CDSR Muradnagar.

Workshop on Medical Emergencies in Dental Practices and training in Basic Life Support on 3rd September 2016 at ITS-CDSR Muradnagar

State whether the program/ department is accredited/ graded by other agencies? If yes, give details.

Nil

Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

A Research projects are undertaken to address lacunae in the existing literature and to attempt to add new knowledge to the specialty. Undergraduates are encouraged to participate in the poster competition and IDA conferences. Research work is also done in collaboration with other departments. Other than the dissertation which is a part of the curriculum of the postgraduate students are encouraged to take up short research studies in enhancing their knowledge.

Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.**Strength:**

- Integrated teaching
- Students feedback back system
- Regular conduction of workshop on medical emergencies
- Student - teacher interaction
- Maintenance of students records through software program

Weakness:

- No interaction of students with the patients in second year
- Provision of regular clinical case presentation for second year

undergraduate students is limited.
Students interactions with the patients is not evaluated at the basic sciences department.
Information regarding communicable diseases should be elaborate in curriculum
Curriculum does not permit to show drug responses in standard living conditions.

Opportunities:

Expansion of departmental services to hospital : titration of drug levels
Clinical exposure to students to cater better teaching
Adverse drug reaction monitoring and pharmacovigilance cell
Involvement in national health program
Develop clinical interest among the student and utilization of central research centre.

Challenges:

Motivate the students for health education and general awareness regarding oral health hazards.
Motivate the students of hindi medium background and to encourage them for better performance
Integrate national health program within the existing curriculum
Frequent undergraduate education exchange program.
Improvisation of students academically and technically as per the recent trends to withstand community requirements.

Future plans of the department.

Development of pharmacovigilance centre
Development of clinical trial centre

DEPARTMENT OF PATHOLOGY & MICROBIOLOGY

Name of the Department:

Department of Pathology and Microbiology

Year of

establishment: 2000

Is the Department part of a college/Faculty of the university

Department is part of ITS Dental College, Muradnagar, Ghaziabad which is affiliated to Choudhary Charan Singh University, Meerut.

Names of programs offered (UG, PG, PharmD, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.)

UG- BDS

Interdisciplinary programs and departments involved

The department regularly monitors the biomedical waste management and hospital infection control with all the clinical departments of the institution. Various clinical specimens are processed for diagnosis from Surya Hospital, which is attached to the college. A training programme in —Sterilization & Disinfection‖ for paramedical staffs of all the clinical and non clinical departments, was held .

Courses in collaboration with other universities, industries, foreign institutions, etc.

Department collaborates with UCMS & GTB Hospital, Delhi providing pathological gross specimens for undergraduate and postgraduate teaching purpose.

Details of programs discontinued, if any, with

reasons Nil

Examination System: Annual/Semester/Trimester/Choice Based Credit System

BDS: Annual University Examination System, Internal assessment in each trimester

Participation of the department in the courses offered by other departments

All the faculty attended the Pharmaco-vigilance workshop conducted by the Department of Pharmacology on 29th May 2012.

Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned (As per DCI requirements)	Filled
Professor	0	1
Associate professor/Reader	1	0
Assistant professor/ Senior lecturer/ Tutor	03	03

Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

S. No	Name	Qualification	Designation	Specialization	Experience
1.	Dr Rajvir Singh	MBBS, MD	Professor & HOD	Microbiology	14 Years
2.	Dr Sarvajeet Singh	MBBS, MD	Professor & HOD	Pathology	10 Years
3.	Dr Vandana Shrivastava	MBBS, PhD	Professor	Microbiology	18 Years
4.	Dr Nidhi Goyal	MDS	Lecturer	Oral Pathology & Microbiology	1 Years 6 Months
5	Dr Naveen Kumar	MBBS	Lecturer	Pathology	1 Years 7 Months
6	Dr. Prayash Prithviraj Thakur	MBBS	Lecturer	Pathology	1 Years 7 Months
7	Dr. Komal	MSc, MPhil	Lecturer	Microbiology	6 Years 6Months

For research under guidance refer to Question no. 28

List of senior Visiting Fellows, adjunct faculty, emeritus professors

Nil

Percentage of classes taken by temporary faculty – program-wise information

All the faculty is permanent.

Program-wise Student Teacher Ratio

B.D.S –	14:1
M.D.S-	7:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

S. No.	Sanctioned	Filled
Technician	1	1
Computer Operator	1	1
Lab Assistant	1	1

16. Research thrust areas as recognized by major funding agencies

Nil

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

Nil

18. Inter-institutional collaborative projects and associated grants received a) National collaboration b) International collaboration

Nil

19. Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received

Nil

20. Research facility / centre with :

State recognition

National recognition

International recognition

In-house state-of-the-art research centre is available in the institution, facilities of which are being utilized by the department. Various facilities available are: Genomics, PCR, Metallurgy, Microbiology, Radiology, Biochemistry.

21. Special research laboratories sponsored by / created by industry or corporate bodies

Nil

Publications:**Number of papers published in peer reviewed journals (national / international)**

5 (National 04, International 01)

Year-wise list of publications**2012**

Shrivastava V. Detection of T cell in Hodgkins Lymphoma before and after BCG Administration. Indian Journal of Pathology; Research and Practice: 2012; 1: 81-86.

2013

Shrivastava V, Bhatnagar R, Kumar R, Singh M. Immunestatus of NHL patients of various group Indian Journal of Pathology Research and Practice: 2013; 3: 131-136.

2014

Sawhney S, Shrivastava B, Shrivastava V, Sahai A. Synthesis, characterization and antimicrobial activity of some dibenzo-alpha-pyrone derivatives. Pelagia Research Library; Der Chemica Sinica: 2014; 5(3): 10-14

Shrivastava V, Total protein determination and estimation of total gamma globulin in NHL Patients 2014; Indian Journal of Pathology Research and Practice: 2014; 2: 47-50.

2016.

of 0.2% Chlorhexidine mouthwash xylitol chewing gum, and combination of 0.2% Chlorhexidine mouthwash & xylitol chewing gum on Salivary Streptococcus mutans and biofilm Levels in 8 upto 12 year old children. Int. Clin Padiatr Dent: 2016; 9: 313-319

- **Monographs:** Nil
- **Chapters in Books:** Nil
- **Books edited:** Nil
- **Books with ISBN with details of publishers:** Nil

Numbers listed in International database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database- International Social Sciences Directory, EBSCO host, Medline, etc.)

All the publications are listed in International database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database- International Social Sciences Directory, EBSCO host, Medline, etc.)

- **Citation Index**

Faculty	Citations since 2011	No. of Publications	Avg.	Range	Dept. Avg.
Dr Rajvir Singh				0	0
Dr SarvajeetSingh					
Dr Vandana Shrivastava		05			
Dr NidhiGoyal					
Dr Naveen Kumar					
Dr. Prayash Prathviraj Thakur					
Dr. Komal					

SNIP

SJR

Impact factor- range/ average

H-Index

Faculty	H-Index
Dr Rajvir Singh	0
Dr Sarvajeet Singh	0
Dr VandanaShrivastava	0
Dr NidhiGoyal	0
Dr Naveen Kumar	0
Dr. Prayash Thakur	0
Dr. Komal	0

H-Index- 0

Range - 0

Average- 0.0

Details of patents and income generated Nil

Areas of consultancy and income

generated Nil

Faculty selected nationally/ internationally to visit other laboratories/ institutions/ industries in India and abroad

Nil

Faculty serving in a) National committees b) international committees c) Editorial boards d) Any other (specify)

Nil

Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs).

The faculty members regularly attend and are actively involved in leadership programs, teacher training workshops and CDE programs. following is a detailed list of programs attended by the faculty

Dr. Sarvajeet Singh

- Attended a workshop on —Pharmacovigilance and Basic life support on 29th May 2012 in the Department of Pharmacology at I.T.S.-CDSR Muradnagar.
- Attended workshop on Flow Cytometry and CME in Pathology, held at Maulana Azad Medical college, New Delhi on 12th and

Attended one-day workshop on _Current Trends in Education & IQA held at I.T.S Centre for Dental Studies and Research, Muradnagar in Dec, 2014.

- Attended APP-IMA National Pathcon & Lab Expo at India Habitat Centre, New Delhi, as a Delegate on 14th December 2014. Participated in a workshop on — HPLC in Hemoglobinopathies and interesting case discussion at APP-IMA National Pathcon & Lab Expo at India Habitat Centre, New Delhi, on 14th December 2014 . Attended one day workshop on —Current Trends in Education & IQA at ITS- CDSR , Murad Nagar, Ghaziabad on 20th December 2014
- Completed training programme on —Quality Management System Internal Audit in Medical Labs as per ISO 15189:2012 held at IMA House, Delhi on 10th & 11th February 2015.

Attended a symposium on Oral cancers on 10th April 2015 at I.T.S-CDSR Muradnagar. The lectures were Advances in Surgical management of Oral Cancers by Dr. Umang Mithal, Targeted Radiotherapy: Need of the hour by Dr. Sudarsan De and Targeted therapy in Oral Cancers by Malay Nandy. All the lecturers were from Galaxy Cancer institute New Delhi.

Attended the 16th IACDE and IES conference held at I.T.S. Centre for dental studies and research from 4th -6th June 2015.

Attended 3-day workshop on Teacher training at I.T.S Dental

Attended APP-IMA National Pathcon & Lab Expo at India Habitat Centre, New Delhi as a Delegate on 12th & 13th December 2015.

Participated in workshops on — Antimicrobial resistance and TB diagnosis. And —Seminogram Mystified at APP-IMA National Pathcon & Lab Expo at India Habitat Centre, New Delhi, on 12th December 2015.

Attended a —Leadership Skills Workshop held at I.T.S. -Centre for Dental Studies & Research, Muradnagar on 20th Jan, 2016.

International Cancer Congress 2018: Hematological malignancies, controversies and consensus organized by Dharamshila Hospital Delhi (6th Feb, 2016).

- Attended pre-conference symposium on —Thalessemia- an unfinished Journey organized by Dharamshila Hospital, Delhi (6th Feb, 2016).
- Attended 31st Annual conference, APCON- Delhi chapter (DAPCON 2016) held by UCMS & G.T.B Hospital, Delhi, on 28th February 2016.
Attended the Indian Dental Student Conference held at I.T.S Centre for Dental Studies and Research, Ghaziabad in Mar, 2016.
- Attended National Pathcon & Lab Expo 2016, organized by Association of Practising Pathologists held at India Habitat centre, New Delhi on 17-18 Dec 2016.
Participated in workshop on — Quality Concepts and Sigma Matrices and — Molecular Pathology — organized by Association of Practising Pathologists held at India Habitat centre, New Delhi on 17 2016.

Dr. Rajvir Singh

Attended one-day workshop on _Current Trends in Education & IQA held at I.T.S Centre for Dental Studies and Research, Muradnagar in Dec, 2014.

Attended a symposium on Oral cancers on 10th April 2015 at I.T.S-CDSR Muradnagar. The lectures were Advances in Surgical management of Oral Cancers by Dr. Umang Mithal, Targeted Radiotherapy: Need of the hour by Dr. Sudarsan De and Targeted therapy in Oral Cancers by Malay Nandy. All the lecturers were from Galaxy Cancer institute New Delhi.

Attended a —Leadership Skills Workshop held at I.T.S. —Centre for Dental Studies & Research, Muradnagar on 20th Jan, 2016

Attended the Indian Dental Student Conference held at I.T.S Centre for Dental Studies and Research, Ghaziabad in Mar, 2016.

Attended the 16th IACDE and IES conference held at I.T.S. Centre for dental studies and research from 4th -6th June 2015.

Dr. Nidhi Goyal

Workshop on Genomic DNA isolation & PCR on 12.12.16 in collaboration with research center at ITSCDSR, Muradnagar, GZB.

Student projects

Percentage of students who have taken up in-house projects including inter-departmental projects -

100 % - All post-graduate students undertake in-house projects which may involve other departments. The in-house projects may be divided into thesis and short studies as listed below.

Research Conducted in-house including inter-departmental research**List of Thesis**

Students Name	Title of Thesis	Guide	Co-Guide
Dr. Apoorva Bajaj	Evaluation of bacterial adhesion on conventional and esthetic nickel titanium wires after clinical usage.	Dr. Divya Shetty Dr. Piush	Dr. Vandana Shrivastava
Dr Vivek	A comparative clinical and microbiological evaluation of diode laser used alone and in conjunction with 0.3% methylene blue in patient with chronic periodontitis.	Dr. Vidya Dodwad	Dr. Vandana Shrivastava
Dr. Shivam Agrawal	A Comparative study of microbial adherence on various intra oral suture materials coated with or without antiseptic solution in patients undergoing dental surgery.	Dr. Sanjeev Saxena	Dr. Vandana Shrivastava
Dr. Iqbal Singh	Immunoexpression of Transforming Growth Factor -Beta 1 and alpha smooth muscle actin in Oral submucous fibrosis"	Dr. Ajit	Dr. Nidhi Goyal

List of Short Studies

Students Name	Title of short study	Guide	Co-Guide
Dr. Meena (Pedodontics)	Assessment of antimicrobial efficacy of xylitol chewing Gum mouthwash on streptococcus mutans.	Dr. Radhika	Dr. Vandana Shrivastava
(Periodontics) Dr. Vivek	A comparative Clinical and microbiological evaluation of dioxide laser used alone and in conjunction with 0.3% methylene blue in patient with chronic Periodontics	Dr. Vidhya Dodwad	Dr. Vandana Shrivastava
(Oral Surgery) Dr. Shivam	A comparative study of microbial adherence on various intraoral suture material coated with or without antiseptic solution in patient undergoing in dental surgery	Dr. Vijay	Dr. Vandana Shrivastava
(Periodontics) Dr. Joohi	Efficacy of 0.2% tempered chlorhexidine as a pre procedural mouth rinse.	Dr. Shubhra	Dr. Vandana Shrivastava
(Community) Dr. Disha	Assessment of dental caries risk profile of 12years old Muradnagar school children by cariogram	Dr. Ipseeta Menon	Dr. Vandana Shrivastava

(Endodontics) Dr. Priya	Evaluation of antimicrobial efficiency of root canal swalers against endodontics pathogens an invitro study	Dr. Mohit	Dr. VandanaShrivastava
(Oral Surgery) Dr. Heena	VISDR for patients	Dr. Pankaj	Dr. VandanaShrivastava
(Periodontics) Dr. Siddharth	Comparative evaluation of antimicrobial coating on surgical in periodontal flap surgery – A clinical microbiological study.	Dr. Vidhya	Dr. VandanaShrivastava
(Community)	A comparative of decontamination method used for dental drilling burs (stainless steel)	Dr. Anubhav	Dr. VandanaShrivastava
BDS Students	Disposable mobile sleeves as a Protective barrier in dental clinic	DrManish aLakhanpal	Dr. VandanaShrivastava
Dr. Vishal Sharma Dr. Kamyamahajan an BDS Students	Effectiveness of sterilization techniques and comparative analysis of formaldehyde and ethanol used as disinfectant for fumigation in ITS Dental College	DrAvnish	Dr. VandanaShrivastava

Percentage of students doing projects in collaboration with other universities/ industry/ institute-

Nil.

Research Conducted in-Collaboration with other universities/ industry/ institute

List of Thesis

Nil

List of Short Studies Nil

Awards / recognitions received at the national and international level by

Nil

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any

S.No	Title	Date	Source of Funding	Attended By
1.	Sterilization	30/05/2016 & 02/06/2016	Institute	More than 30 delegates
2.	Disinfection	30/08/2016 & 31/08/2016	Institute	More than 30 delegates

31. A Code of ethics for research followed by the departments

All the research projects of the department are sent to the Institutional Research Committee to check for the feasibility and then forwarded to the Institutional Ethical Committee for approval. The Institutional Ethical Committee is recognized by the Government of India and follows the ICMR Ethical Guidelines for Biomedical Research on Human participants, 2006 and the Helsinki Declaration Human Medical Experimentation Ethics Document, 2008.

32. Student profile program-wise

Name of the Program	Application received	Selected		Pass percentage %	
		Male	Female	Male	Female
BDS					
2012	350	20	77	95%	96.7%
2013	263	26	74	88.46%	97.36%
2014	249	26	74	100%	98.64%
2015	292	23	77	Ongoing batch	
2016	263	14	47	Ongoing batch	

Diversity of students

NA

How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise

Nil

Student progression

NA

36. Diversity of staff

Percentage of faculty who are graduates	
Of the same university	14%
from other universities within the State	14%
from universities from other states	72%
from universities outside the country	0%

Number of faculty who were awarded M.Phil., DM, M Ch, Ph.D., D.Sc. and D.Litt. during the assessment period

Nil

Present details of departmental infrastructural facilities with regard to**Library :**

The department is equipped with a library which has 156 books of 30 titles.

Internet facilities for staff and students

Department is well connected with campus WiFi of 20 MBPS speed for internet access to staff as well as students. The students also have access to WiFi in their hostels after college hours.

Total number of class rooms

There are four classrooms in the college as per DCI requirement which are used by all the departments for conducting lectures for BDS students.

Class rooms with ICT facility and „smart“ class rooms

All the classrooms are smart classrooms and have ICT facility. Two classrooms are equipped with smart boards.

Students“ laboratories

The department is equipped with two laboratories, one for BDS students and one for MDS students.

Research laboratories

In- house state-of -the-art research centre is available the facilities of which are being utilized by the department. The research centre has facilities for conducting research in the fields of genomics, microbiology, metallurgy, biochemistry and radiology (CBCT).

List of doctoral, post-doctoral students and Research Associates

- a) from the host institution/university : Nil
- b) from other institutions/universities : Nil

Number of post graduate students getting financial assistance from the university

Nil

Was any need assessment exercise undertaken before the development of new program (s)? If so, highlight the methodology

See number 42.

42. Does the department obtain feedback from

faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

YES , through discussions and suggestions – There is a regular feedback through faculty. Faculty meet regularly to discuss the problems of students and take effective remedial steps. Gross specimens are shown during the lectures is an example of this.

students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Yes, the college collects Feedback Forms from the students on Staff, Curriculum and Teaching which are assessed periodically. Areas of improvement are shortlisted and rectified in consultation with the Faculty.

alumni and employers on the programs offered and how does the department utilize the feedback?

Yes, regular feedback is taken from the alumni and the same is discussed in the department and wherever necessary, changes are made. This has resulted in making our lectures more meaningful and interesting. MCQ at the end of the lecture and topic related videos during the lectures are some examples of this feedback.

List the distinguished alumni of the department (maximum

10) Nil

Give details of student enrichment programs (special lectures / workshops seminar) involving external experts.

A training programme in —Sterilization & Disinfection — for paramedical staffs of all the clinical and non clinical departments, was held .

List the teaching methods adopted by the faculty for different programs including clinical teaching.

The department employs innovative teaching methods combined with the conventional ones. Theoretical topics are covered with power-point presentations which are made interesting with illustrations, diagrams and case examples to make them more visually appealing. These presentations are updated regularly to incorporate advances in knowledge. The students are also encouraged to present seminars and symposiums. The flipped learning approach is an innovative method employed to involve the students actively in the teaching-learning process.. The students are encouraged to attend workshops, continuing education programs and conferences by eminent national as well as international faculty.

How does the department ensure that program objectives are constantly met and learning outcomes are monitored?

The program objectives are based on the principles of knowledge, skill and attitude. Emphasis is placed on outcome based education. Students are regularly assessed through unit test, periodical checks, terminal exams, viva- voce and practical tests.

Highlight the participation of students and faculty in extension activities. Students and faculty regularly participate in:

S.No.	Date of events	Name of Events
1	18/02/2012	Euphoria (A Cultural Extravaganga)
2	06/03/2012	Dentist Day Celebration
3	07/03/2012	World Health Day celebration
4	24/03/2012	World T.B.Day celebration
5	14/06/2012	Blood Donor Day
6	28/07/2012	World Hepatitis Day
7	05/09/2012	Teachers day celebration
8	13/09/2012	World Oral Health Day celebration
9	30/11/2012 to 01/12/2012	Occlusion 2012
10	30/03/2013	Alumni meet 2013 convocation
11	06/04/2013	World Health Day celebration
12	22/04/2013 to 27/04/2013	Sports Day
13	03/05/2013 to 04/05/2013	Inter batch competition- Euphoria 2013
14	29/07/2013	World Hepatitis Day (Know IT, Confront IT)
15	22/08/2013	Pledge Day in collaboration with colgate Palmolive India Ltd. And ACFE (Alliance for Cavity free future)
16	05/09/2013	Teacher's Day celebration
17	13/09/2013	Fresher's Party of 14th BDS Batch (2013-17)

18	05/04/2014	Annual Convocation ceremony & Alumni Meet
19	06/08/2014 to 08/08/2014	Euphoria- 2014 Academic excellence & cultural award day
20	05/09/2014	Teachers Day celebration
21	19/09/2014	Fresher's party 15th Batch BDS (2014-18)
22	28/07/2014	World Hepatitis day
23	12/12/2014 to 13/12/2014	Occlusion 2014
24	02/03/2015	White Coat ceremony
25	04/04/2015	Convocation ceremony & Alumni Meet – 15
26	28/05/2015 to 30/05/2015	Euphoria 2015 "Interclass Cultural Fiesta"
27	28/07/2015	World Hepatitis day
28	21/09/2015	Fresher's Party 16th Batch BDS (2015-2020)
29	06/02/2016	White Coat Ceremony

Give details of “beyond syllabus scholarly activities” of the department.

The department encourages students to participate in scholarly activities which are beyond their syllabus. For example, poster competition and quiz competition are regularly held.

Some of the programs attended by the students are listed below:

- Pharmacovigilance and Basic life support on 29th May 2012 at ITS-CDSR Muradnagar.
- lecture by Colgate/ IDA for future dental professionals programme on 31st Oct 2012 in ITS-CDSR, Muradnagar.
- Attended CDE on —Slim tip – soft approach|| at I.T.S CDSR, Muradnagar on 14th Sept 2013.
- Indian Dental Student Conference at I.T.S CDSR, Muradnagar on 23rd & 24th Nov 2013.
- International Conference of Dental Specialties at I.T.S CDSR Muradnagar on 9th & 10th May 2014.
- Workshop on Bioethics in Clinical Research at ITS Dental College on 1st Sept 2014.
- Lecture on —Current trends in education and IQA|| at ITS Dental College on 20th Dec 2014.
- IDA Student Conference|| at I.T.S.-C.D.S.R on 15th -16th March 2016
- Personality Development Program at I.T.S.-C.D.S.R on 16th April 2016.
- 28th ISDR Conference|| at I.T.S.-C.D.S.R on 20th -22nd Nov 2016.

State whether the program/ department is accredited/ graded by other agencies? If yes, give details.

All the programs are recognized by the Dental Council of India

Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

Students are encouraged to take up short research studies and challenging cases to add to their knowledge as a result of which, students started taking active interest in the short study. Research work is also done in collaboration with other departments.

Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

STRENGTHS

- Student-Teacher interaction.
- Application of student feedback.
- Integrated teaching programme.
- Maintenance of students record through software programme.
- Friendly, Experienced and dedicated faculty.

WEAKNESS

There is a need for interaction of the students with patients and information regarding communicable diseases.

OPPORTUNITIES

- Management of Bio-medical waste.
- Effective prevention of Hospital infections.
- Proper maintenance of Sterilisation equipments.
- Expansion of departmental services to hospital.
- Create awareness and prevention of communicable diseases.

CHALLENGES

- To ensure teaching standards becomes at par with world standards. in a predominantly rural base of patients.
- To make the Hindi medium students understand and communicate in English language.
- To have 100% attendance in the classes.

Future plans of the department.

- Plan to establish standardized Histopathology and Cytopathology labs in the department
- Up-gradation of the clinical lab (NABL accreditation) attached to the Surya Hospital
- Separate labs for anaerobic culture, mycology and serology.



I.T.S CENTRE FOR DENTAL STUDIES & RESEARCH
Accredited by NAAC with 'A' Grade

Delhi-Meerut Road, Murad Nagar, Ghaziabad (DEL-NCR) -201 206
Phone : (01232) 225380, 81, 82, Mobile : 8447753520, 21, 22
Website : its.edu.in, E-mail : dental.gzb@its.edu.in

Certificate of Compliance

(Affiliated/Constituent/Autonomous Colleges and Recognized Institutions)

This is to certify that I.T.S –Centre for Dental Studies & Research, Muradnagar fulfils all norms

1. Stipulated by the affiliating University and/or
2. Council/Body [such as UGC, NCTE, AICTE, MCI, DCI, BCI, etc.] and
3. The affiliation and recognition [if applicable] is valid as on date.

In case the affiliation / recognition is conditional, then a detailed enclosure with regard to compliance of conditions by the institution will be sent. It is noted that NAAC's accreditation, if granted, shall stand cancelled automatically, once the institution loses its University affiliation or Recognition by the Regulatory Council, as the case may be.

In case the undertaking submitted by the institution is found to be false then the accreditation given by NAAC is liable to be withdrawn. It is also agreeable that the undertaking given to NAAC will be displayed on the college website.

Date: 05.01.2017
Place: Muradnagar


Principal/Head of the Institution
(Name and Signature with Office seal)
Dr. Devicharan Shetty
Principal
I.T.S Centre for Dental Studies & Research
Delhi-Meerut Road, Muradnagar
Ghaziabad - 201206

Recognized by Dental Council of India, Ministry of Health & Family Welfare,
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05th January 2017

Declaration by the Head of the Institution

I certify that the data included in this Self-Study Report (SSR) are true to the best of my knowledge.

This SSR is prepared by the institution after internal discussions, and no part thereof has been outsourced.

I am aware that the Peer team will validate the information provided in this SSR during the peer team visit.

Signature of the Head of the
Institution with seal
Dr. Devicharan Shetty
Principal
I.T.S Centre for Dental Studies & Research
Delhi-Meerut Road, Muradnagar
Ghaziabad - 201206

Place: Muradnagar

Date: 05.01.2017

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