

An ecosystem for innovations including incubation centre and other initiatives for creation and transfer of knowledge

Introduction

ITSCDSR is a premier teaching learning and research institute. Being a research institute our institution offers a world of prospects to our students and faculties to chase research activities in diverse fields.

The institutional review committee is very actively involved in

1. Organizing programs on research methodologies and its associated contents.
2. Incorporating the essence of research into our students.
3. Establishing in-house research resource centre and knowledge & skills sharing.
4. Identifying students who are keen on research activities and enhancing the creative potentials of the students.
5. Encouraging students in identifying ICMR core areas and to pursue funding for their research project.
6. Motivate the faculties to pursue ahead research projects to fetch the institute into prominence and thereby motivating the students.
7. The institution also encourages the publication of the completed research projects undertaken.

The quest for new knowledge drives innovation in research with inter-disciplinary approaches for the advancement of science and knowledge which is repeatedly emphasized. To nurture education, it is critical that we advance our teaching through innovation. These are as follows:

- The ITS-CDSR has always had a progressive approach towards latest treatment modalities in the field of dentistry. The Orofacial Pain Clinic is one more step in this direction and is

one of a kind specialized Orofacial pain management centers in the country. An informative CDE and Hands on Workshop on “Occlusal Splint therapy – Managing TMDs through programmed treatment Planning” was organized by the Department of Oral Medicine and Radiology, I.T.S Dental College, Muradnagar on 5th March, 2019 with 100 registrations.

- A comprehensive CBCT Training program was conducted by “Centre for Advanced Imaging” under the Department of Oral Medicine and Radiology for the Final Year Post Graduate students of all specialties from 23rd December to 24th December, 2020. The program was conducted over two days and included Lectures and Hands on sessions covering all aspects of CBCT Imaging.
- Department of Oral Pathology and Microbiology and Centre for Advanced research conducted a four day workshop on Advanced Molecular Diagnosis by PCR and RFLP techniques and Postgraduate Student exchange program from 13th to 16th February 2019. Hand-on training on Polymerase Chain Reaction (PCR) and Restriction Fragment Length Polymorphisms (RFLP) techniques were delivered to all 50 participants.
- An informative introductory course (Lecture with Hands on) on “Nitrous Oxide Inhalational sedation” was organized by the Department of Pediatric and Preventive Dentistry, I.T.S Dental College, Ghaziabad on 21st September, 2019 with 60 delegates followed by a step by step demonstration of the inhalation sedation with nitrous oxide to participants who had registered for hands-on course.
- Department of Prosthodontics organised - Implant Course in association with CWM implants in collaboration with Pusan National University, South Korea in July, 2019.

There were total 61 participants (36 Interns & 25 Postgraduates) who enrolled for the implant course. The course comprised of 5 modules, of which 4 modules were conducted in ITS Dental College and the final observer ship module will be conducted at Pusan National University, South Korea.

- An informative and Hands-on Certificate Course on “Facial Aesthetics – Non Surgical Facial Transformations,” was organized by the Department of Periodontology, I.T.S Dental College, Muradnagar on 8-9th July, 2019 in collaboration with International Academy of Aesthetic Training (IAAT), Sweden and there were 16 participants for the program including Interns, post-graduate students and Faculty.

These initiatives offer a platform for transfer of knowledge which could be best measured with the following outcomes-

- Dr. Seema Ahuja (Department of Oral Medicine, Diagnosis & Radiology) had an exposure to CBCT modality during her Post-graduation and as a faculty which enhanced her creative potentials and inculcated her interest to pursue ahead with her own CBCT center.
- Dr. Smiti (Department of Oral Medicine, Diagnosis & Radiology) had an exposure to Orofacial pain clinic during her post-graduation exclusively for management of various physical modalities which motivated her to open her own Orofacial pain clinic.
- Dr. SonalKatyal (Department of Oral Pathology & Microbiology) gained the laboratory skills under Advanced Research Centre during her Post- graduation which helped her to fetch ICMR Fellowship followed by a scientist post in AIIMS New Delhi.

- Dr. Flora Verma (Department of Oral Pathology & Microbiology) gained the laboratory skills under Advanced Research Centre during her Post- graduation which helped her to fetch ICMR Fellowship followed by a scientist post in VDRL, ABVIMS & DR RML New Delhi.

We passionately wish to link innovation and incubation to bring about positive changes in efficiency, productivity, quality, competitiveness as our students, faculty, and other stakeholders seek to transform ideas into products or services.