



Dr. M.G.R.
Educational and Research Institute
(Deemed to be University)



Maduravoyal, Chennai – 600 095

(An ISO 9001-2015 Certified Institution)

University with Graded Autonomy Status

ADMISSIONS – 2019 -20

A University with a vision

Dr. M.G.R. Engineering College was originally started in the year 1988 at Maduravoyal, Chennai. It has grown up gradually and the college was raised to the level of the Deemed to be University in the Year 2003 in the name of Dr. M.G.R Educational and Research Institute University, under the Section 3 of UGC Act of 1956 with Two constituent colleges of Dr. M.G.R Engineering College (Established in 1988) and Thai Moogambigai Dental College and Hospital (Established in 1991).

Subsequently, A.C.S, Medical College and Hospital was brought under the ambit of Dr. M.G.R. Educational and Research Institute University in the Year 2008.

Our University is offering high quality centre of learning in the fields like Engineering & Technology, Dental Surgery, Medicine, Architecture, Arts & Commerce, Physiotherapy, Nursing, Humanities and Sciences, Education, Hotel Management & Catering Technology and Management Studies.

Ours is the only Deemed University having its main and all other campuses within the City Limit. Ours is an ISO, TUV 9001: 2015 Certified Institution.

The campuses are on par with global standards – world class facilities with an eco-friendly infrastructure with perfect ambience. The courses of the University are approved by respective statutory bodies like AICTE, DCI, MCI, CoA, INC, NCTE, etc., and accredited by NAAC. Our BDS degree is also recognized by the Dental Council of Sri Lanka. All our courses are approved by the respective statutory bodies.

Course Details:

MDS - CONSERVATIVE DENTISTRY & ENDODONTICS

One of the busiest departments of the college, the Department of Conservative Dentistry and Endodontics aims at 'increasing the lifespan of teeth'. Towards this end, the department offers root canal treatment, endodontic surgeries, metallic and non metallic restorations. UG and PG students gain thorough knowledge of areas such as endodontic treatment, endodontic microsurgery, regenerative endodontics and management of traumatic injuries. The department also teaches students, the procedures involved in aesthetic dentistry. The department is fully equipped with facilities such as vista scan, thermoplasticized gutta-percha system, rotary endodontic system, power bleaching, LED light curing unit, endosonics and a complete ceramics lab.

These enable students to, watch, understand and gain hands-on experience on the complete range of treatments and procedures. **A new department namely, Aesthetic Dentistry has been created to deal with the present needs of patients who need beautification of smiles.** Faculty has authored a text book on endodontics. Several national and international publications have been published by the staff

Duration: 3 Years

No. of Seats Available: 05

Tuition Fee (p.a.): Rs.15.00 Lakhs

MDS - ORTHODONTICS & DENTOFACIAL ORTHOPEDICS

The Department of Orthodontics and dentofacial orthopedics specializes in the correction of defects in the jaws and teeth through the use of various removable and fixed appliances. Treatment takes the form of pre-adjusted edgewise appliances, **lingual appliances**, ceramic braces, myofunctional appliances, clear aligners, surgical orthodontics and micro implant based orthodontics.

The Department has excellent facilities ranging from separate UG and PG clinics with computers connected to a central server. The department has an advanced digital imaging and treatment simulation system, a first, which enables planning of complex procedures.

A combination of classroom lectures and practical experience at the clinic provides students with excellent understanding of procedures. With research being an important goal of the department, all PG students undertake research projects.

By creating individual computer terminals for P.G.'s the department works, without paper on diagnosis and treatment of patients.

Duration: 3 Years

No. of Seats Available: 06

Tuition Fee (p.a.): Rs.15.00 Lakhs

MDS - PROSTHETICS CROWN & BRIDGE

The replacement of missing teeth and associated structures due to congenital reasons or due to disease, surgery, aging or accident is the responsibility of the department of prosthodontics. Through dental prosthesis, not only are the teeth replaced, but also form and function of surrounding areas such as lips and cheeks is restored.

The department conducts student training in two stages – pre-clinical and clinical prosthodontics. Teaching is conducted at the UG and PG level. The department is well equipped with the latest Lab equipment such as all ceramic furnace, stereo microscope, anatomical articulators, to replace everything from a single tooth to the complete set, special procedures include dental implantology and maxillofacial prosthesis. Several research projects are underway including animal studies. The department is closely associated with oro facial pain clinic and study occlusal disharmony and TM joint disorders with help of the newly acquired **T- Scan and EMG**. The faculty can boast about their numerous international and national publications and about the achievement of their P.G.'s. Future plans include starting courses in bite scan, long term research projects in implants.

Duration: 3 Years

No. of Seats Available: 05

Tuition Fee (p.a.): Rs.15.00 Lakhs

MDS - PERIODONTOLOGY

The department of periodontology is engaged in the treatment of problems associated with the gums and poor dental hygiene. Through a training program comprising both theory and clinical practice, UG and PG students gain knowledge of arrange of treatments and procedures. These include scaling and root planning, splinting and abscess drainage. Surgeries such as flap surgery, micro-gingival surgery and laser assisted surgery are conducted on a regular basis. PG students also undergo training in the latest aesthetic and regenerative procedures using advanced membranes and bone graft materials.

The Department is equipped with state-of-the-art dental diagnostic and surgical facilities. Modern dental chairs, ultra-sonic scalers, an electrocautery unit and a laser unit enabling superior patient care. The Department also has a range of advanced GTR membranes and bone grafting materials. Critical researches encompass immunology, periodontal plastic surgery, periodontal regeneration, periodontal medicine and dental implants.

Duration: 3 Years

No. of Seats Available: 05

Tuition Fee (p.a.): Rs.10.00 Lakhs

MDS - ORAL & MAXILLOFACIAL SURGERY

The department of maxillofacial surgery is responsible for the surgical treatment of acquired, congenital and traumatic issues related to the jaws and facial regions as well developmental diseases of these areas. Facial fractures, head and neck cancers and salivary gland diseases are the other areas in which the department plays a key role. Major surgeries include those for maxillofacial traumas, cysts and tumours, oral cancer, orthognathic surgery, bone graft, distraction and cleft lip and cleft palate. The department trains students at the UG and PG levels in the surgical procedures conducted and enables them to gain the necessary knowledge and skills.

The department has the advantage of sharing the best of medical facilities such as **OT, Surgical ICUS 24 hour causality, inpatient beds and advanced diagnostic aids like MRI, CT with A.C.S. Medical College & Hospital** one of the constituent unit of our University.

Apart from routine tooth extractions and impactions, the department performs surgical procedures for head and neck cancers, salivary tumors, cysts, T.M. joint disorders, orthognathic corrections. All types of trauma, cleft lip and palate corrections.

Duration: 3 Years No. of Seats Available: 05 Tuition Fee (p.a.): Rs.15.00 Lakhs

MDS - PEDODONTICS & PREVENTIVE DENTISTRY

Focused on good dental hygiene in children, the Department of pedodontics and Preventive dentistry aims to do this through a combination of professionally applied and self applied fluorides, deplaning procedures and placement of occlusal sealants.

The objective is to prevent dental caries, gingivitis and periodontal diseases. The Department also treats habitual problems and developing malocclusions. UG and PG students are exposed to the dental issues faced by children and adolescents and get an opportunity to educate them and provide preventive treatment.

The Department is equipped with special child friendly dental chairs as well as a conscious sedation unit. The Department has a unique child's recreation area that contains special toys and oral education room that enables children to learn better dental hygiene and practice it in their daily lives. The Department also regularly conducts camps and clinics in schools and rural areas.

Future Plans include department collaboration with pediatric specialty to manage children with special health care needs, international collaboration and exchange. Programmes for students and staff, digitalized department library and faculty student exchange programme at national & International level.

Duration: 3 Years No. of Seats Available: 03 Tuition Fee (p.a.): Rs.15.00 Lakhs

MDS - Oral Pathology & Microbiology

The department of oral pathology and microbiology, focuses on the nature, identification and management of diseases affecting the oral and maxillofacial regions as well as associated structures. This speciality is a confluence of basic sciences and clinical dentistry where UG and PG students learn the conduct of routine blood and urine analysis and histopathological examinations. The department is also actively conducting research in HIV-AIDS, laser induced wound healing, karyotyping, molecular studies and Oral cancer using advanced immuno-histochemical methods, besides the micro-biological aspects of oral infections.

The modern histopathological and microbiological lab is equipped with **semi automatic microtome, tissue processor, research and penta head microscopes**, labs for UG and PG students. A pathology museum with a collection of over 2000 histopathology slides and rare specimens supplements the vast array of specialized texts and journals available with the department.

Duration: 3 Years

No. of Seats Available: 03

Tuition Fee (p.a.): Rs.3.00 Lakhs

MDS - Oral Medicine & Radiology

The department of oral medicine and radiology is the threshold to dentistry for all patients. This department is responsible for the preliminary investigation and diagnosis of dental issues, lesions and systemic diseases through oral manifestations. The department also takes responsibility for the dental management of medically compromised patients.

This department is where students, both at the UG and PG level, gain the ability to examine patients, diagnose issues and practice the clinical skills, vital to good dentistry. The department has a separate radiology section with advanced diagnostic aids such as a cephalostat and orthopantomograph, **T-Scan, digital OPG, RVG and Extra Oral X-ray unit**. Patient management is done through a system of computerized records.

Students have access to a large number of reference books, educational CDs and online resources through LAN and WiFi. The department has the distinction of being the first in India to be equipped with a full-fledged T-Scan with biopack at its Orthofacial pain clinic. The teaching faculty are excellent academicians with several national and international Publications to their credit. Future Plans include acquisition of CBCT, making the department a Research center and to start Oral Cancer Research Center.

Duration: 3 Years

No. of Seats Available: 02

Tuition Fee (p.a.): Rs.8.00 Lakhs