



# College of Dental Sciences & Research Centre

## *Maa Kamla Charitable Trust*

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**Ref. No. :**

**Date :**

College of Dental Sciences and Research Centre, has made quite a lot of arrangements for imparting and enhancing knowledge to the students. Any educational institute, is incomplete without any research activities and updating its members with recent advances of the respective fields.

An ecosystem is a favorable environment for accomplishing a particular task, or providing with a suitable surrounding where the desired goals can be achieved. For an educational institute, providing an ecosystem suggests all the means needed for providing the best knowledge and the best possible modes for higher education that means research activities. Imparting knowledge means not only simpler means of education through lectures, it should include recent modes like newer topics explained through unique modes, demonstrations and hands-on. So, for this, updated versions of technology in general and of the field both are needed.

Dental implants are one of the most discussed topics and considered as a milestone in the clinical dentistry. Since its introduction, there has continuously been updating in the field. Our, institute has taken care of being hand-in-hand with the recent advances of dentistry one of which being the implants. Thus, our institute too has taken measures and made provisions for developing a completely well-equipped and well-developed implant section. With highly experienced and qualified staff that our institute has, and under their guidance and supervision, our students very efficiently perform the dental implant procedures. Also, all the recent equipment needed has been installed and used vigilantly for imparting the best possible treatment to the patient. Thus, this separate specially created implant section not only helps in giving good dental rehabilitation to the patient but also gives an opportunity for good knowledge transfer at the institute.



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Microscope is one of the unavoidable means, when it comes to research activities. Our institute has installed various types of microscopes, as per the need and usage. We have microscope that can be used during clinical procedures as well as for in-vitro research activities. Dental operating microscope and surgical microscope both are used during clinical procedures. This enhances the effective treatment to be rendered and also helps the students to learn better and give better treatment to the patient. Even, special provision has been made to arrange a screen attached with the microscope which helps the other students, who are observing, to have a clear detailed view of the on-going procedure. Apart from these, microscopes being useful for the in-vitro research work have also been installed. These have been immensely useful for our students to carry out their research work and has eliminated the need of the students to go elsewhere or other institutes for the microscopes, and thereby facilitating faster and efficient research work. Due to on-campus facility of various microscopes, there is exchange of knowledge at a vast scale and not only limited to the person doing the research work.

Apart from the above mentioned we have other facilities as well for enhancing and imparting knowledge and update our students with the recent developments in the field of dentistry. We have a centralized laboratory where the fabrication of the prosthetic rehabilitation work is carried out. With the advent of the technology, the machinery has been installed and the students have been kept updated with them and even at some level use them, thereby using the knowledge to render better service and treatment to the patient. Even, to keep in track on the evolution in the field of dentistry and to orient our students to the timeline of the same we have developed a museum on a small scale to serve the purpose.

Thus, our institute has tried and developed such a kind of ecosystem and surroundings, which helps the students and even the staff to enhance and impart knowledge and thus continue the knowledge transfer for the betterment of dentistry and give good dental treatment to the society.



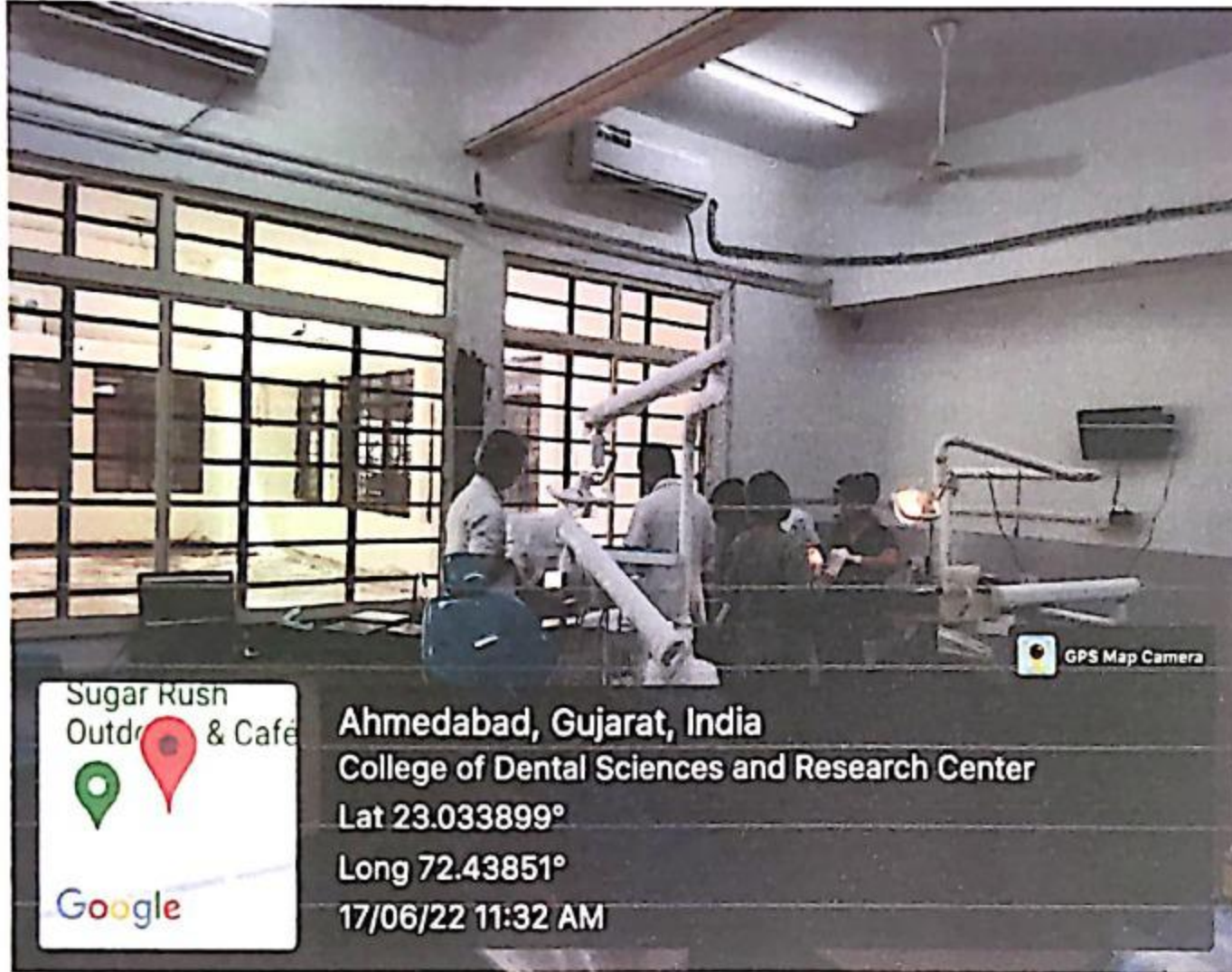
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Ref. No. :

Dental Implant Centre

Date :





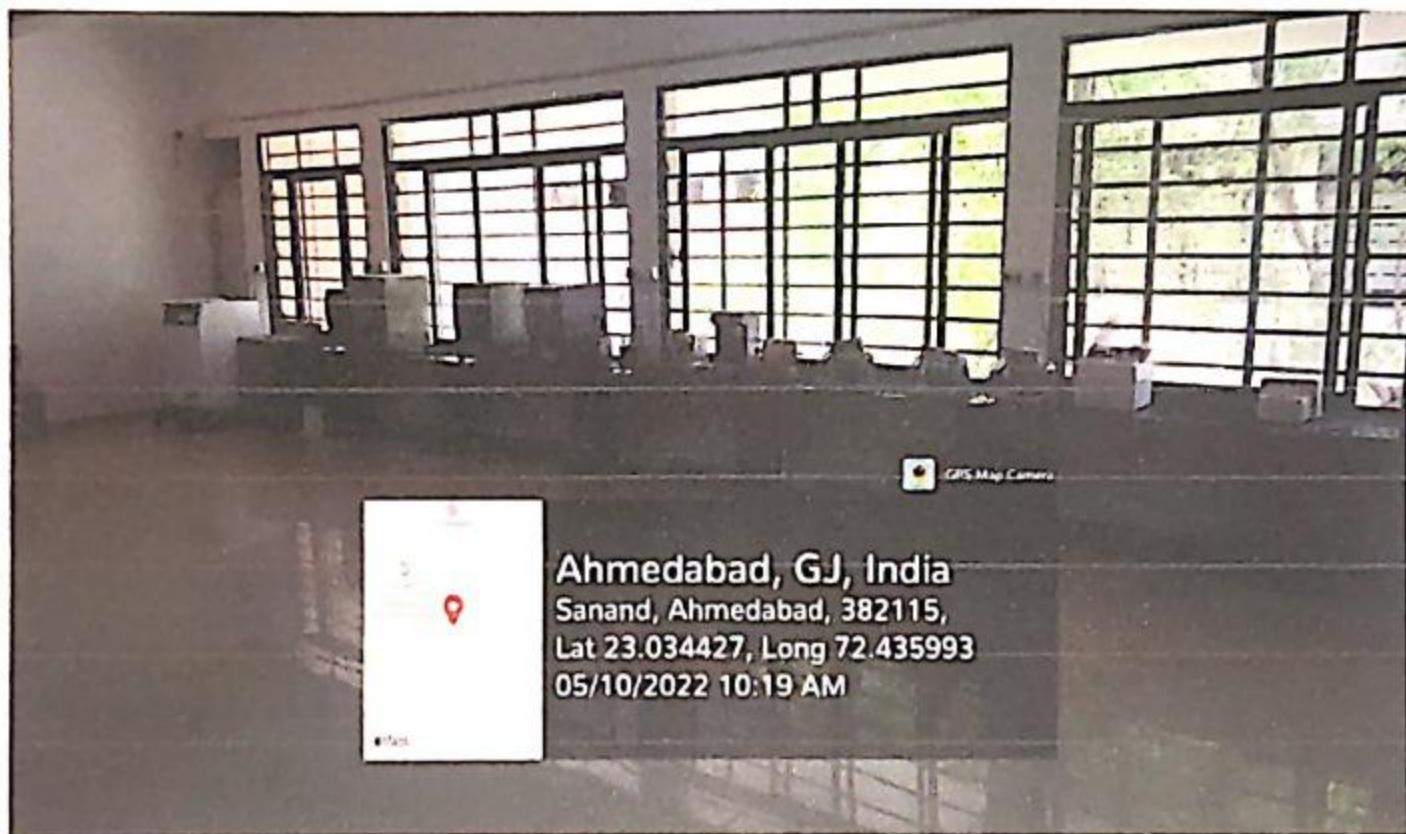
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### Centralized laboratory





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### Dental Camps and Mobile Dental Vehicles (MDV)

College of dental science and research center is concerned with conservation of teeth in mouth. It embraces the practice of operation dentistry that deals with etiology, diagnosis, prevention and treatment of one of the world's most prevalent diseases – the dental caries.

College of dental science and research center conducts regular camps with a team of doctors along with post-graduate students and auxiliary staff, comprising dental treatment for the patients with illness. All treatments are provided free of cost, which included oral cavity examination besides oral health talk, oral hygiene instructions, tooth restorations, oral prophylaxis, X-rays and tooth extractions. Medicines are dispensed free of cost and patients are referred for further treatment.

Residents in rural areas generally suffer from a higher prevalence and severity of dental caries and periodontal disease, yet they face numerous difficulties and barriers in accessing oral healthcare. Conventional strategies, such as building of dental clinics or, hospitals, or the provision of outreach services by using disposable materials, are neither practical nor effective in rural settings. Mobile dental vehicles (MDVs) have been proposed as an alternative strategy to supplement the traditional oral healthcare in many regions.

College of Dental Science and Research centers provide Mobile Dental Van service since March 2020. The Mobile Dental Van is utilized in school-based oral health programs, providing dental care to the homeless or migrants, and screening programs for the population for various oral diseases. Due to its high mobility it is particularly valuable for the underserved populations living in rural areas.

Our MDV has a fully-equipped dental unit supplied with equipment and instruments that are available in most dental clinics. The MDV is equipped with a generator set providing a three-phase power supply, which can support the electricity needed by the lighting and dental clinic.

The MDV consists of a team of Driver, Dentists and Dental Assistants. They provide Screening and a basic dental treatment like ART, Scaling etc. but importantly increases awareness regarding oral hygiene maintenance to the population who don't have access to a dental clinic.

Sr. No.	Year	Numbers of Camp	Patient Screened
1	2017-18	50	1975
2	2018-19	54	2117
3	2019-20	16	712
4	2020-21	32	1311
5	2021-22	25	1908



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### Tobacco Cessation Centers (TCCs)

The National Tobacco Control Program calls for establishing Tobacco Cessation Centers in District Hospitals and provision for free pharmaco-therapy and counselling services at these clinics. College of dental science and research center runs a Tobacco Centers in our premises.

The clinic activities include: -

1. Registration and documentation of tobacco use profile in detail
2. Group counselling
3. Individual counseling/Relatives counselling
4. Carbon Monoxide (CO) monitoring
5. Pharmacotherapy
6. Regular follow up with brief counselling at each visit
7. Telephone counselling for the defaulters
8. Postal letters to people who do not have access to telephone facility
9. Interaction with quitters during educational programs



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### Tobacco Cessation Programme Data

Total number of patients visited TCC February 2021- August 2021	Smoked	Smokeless Tobacco
219	133	87

Average patients per day- 2-3 patients per day

#### FOLLOW UP CODES INTERPRETATION:

- 1: NO CHANGE (less than 50%)
- 2: REDUCED USE (more than 50%)
- 3: STOPPED USAGE
- 4: LOST TO FOLLOW UP
- 5: RELAPSE

Follow up Code	No. of patients
1	0
2	0
3	27
4	183
5	9

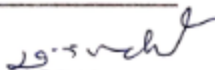
Total number of patients visited TCC September 2021- March 2022	Smoked	Smokeless Tobacco
573	350	221

Average patients per day- 3-4 patients per day

#### FOLLOW UP CODES INTERPRETATION:

- 1: NO CHANGE (less than 50%)
- 2: REDUCED USE (more than 50%)
- 3: STOPPED USAGE
- 4: LOST TO FOLLOW UP
- 5: RELAPSE

Follow up Code	No. of patients
1	54
2	119
3	84
4	178
5	1

  
DEAN

College of Dental Sciences &  
Research Centre. Ahmedabad