



**MAHATMA GANDHI MISSION'S
DENTAL COLLEGE & HOSPITAL,
NAVI MUMBAI**



DEPARTMENT OF ORAL MEDICINE AND RADIOLOGY



VALUE ADDED COURSE

***'CONE BEAM COMPUTED TOMOGRAPHY –
BASICS AND CLINICAL APPLICATIONS'***

Date – 25th February 2026 Onwards

Venue – Lecture Hall 1

VALUE ADDED COURSE PROGRAM SCHEDULE

Modules	Date and time	
Module 1	<p>Pre test , Concept of imaging chain, Interactions of x rays with matter, Biologic effects of radiation, Principles of image detectors ,Technique , Difference in image formation between conventional, CBCT and CT Scan</p> <p>Selection criteria's for intraoral radiography, panoramic radiography and CBCT</p> <p>Regulations governing use of CBCT</p> <p>Image quality and structure visibility</p> <p>Why CBCT—Difference between 2D and 3D images.</p> <p>3D Anatomy of Head and Neck region</p>	<p>25th February, 2026</p> <p>8.30 am -9.30 am</p>
Module 2- Workshop	<p>Understanding CBCT Image and Manipulations</p> <p>Various Modification</p> <p>Hands-on training of CBCT software</p>	<p>4th March</p> <p>8.30 am -9.30 am</p>
Module 3-	<p>Use and indications of CBCT</p> <p>Field of view (FOV)</p>	<p>7th March</p> <p>1.30 pm to 2.15 pm</p>

VALUE ADDED COURSE PROGRAM SCHEDULE

Modules		Date and time
Module 4	Clinical applications in Dental Implantology-workshop	11th March 8.30 am -9.30 am
Module 5	Clinical applications in Oral And Maxillofacial Surgery - workshop	18th March 8.30 am -9.30 am
Module 6	Clinical applications in Endodontics	21st March 1.30 pm to 2.15 pm
Module 7	Clinical applications in Periodontics and Orthodontics	25th March 8.30 am -9.30 am
Module 8	Assignments and Assessment	1st April 1.30 pm to 2.15 pm

VALUE ADDED COURSE- 'CONE BEAM COMPUTED TOMOGRAPHY – BASICS AND CLINICAL APPLICATIONS'

**Resource Person: Dr. Rohit Gadda
Dr. Neha Patil
Dr. Priyanka Tidke
Dr. Isha Mishra
Dr. Manjari Chaudhary**

Target Audience: IV BDS students

Number of Modules: 08



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