COMPETENCIES

At the completion of the undergraduate training programme the graduates shall be competent in the

General Skills

Apply knowledge& skills in day to day practice

Apply principles of ethics

Analyze the outcome of treatment

Evaluate the scientific literature and information to decide the treatment

Participate and involve in professional bodies

Self assessment & willingness to update the knowledge & skills from time to time Involvement in simple research projects

Minimum computer proficiency to enhance knowledge and skills

Refer patients for consultation and specialized treatment

Basic study of forensic odontology and geriatric dental problems

Practice Management

Evaluate practice location, population dynamics & reimbursement mechanism Co-ordinate & supervise the activities of allied dental health personnel Maintain all records

Implement & monitor infection control and environmental safety programs Practice within the scope of one's competence

Communication & Community Resources

Assess patients goals, values and concerns to establish rapport and guide patient care Able to communicate freely, orally and in writing with all concerned Participate in improving the oral health of the individuals through community activities.

Patient Care – Diagnosis

Obtaining patient's history in a methodical way Performing thorough clinical examination Selection and interpretation of clinical, radiological and other diagnostic information Obtaining appropriate consultation Arriving at provisional, differential and final diagnosis

Patient Care – Treatment Planning

Integrate multiple disciplines into an individual comprehensive sequence treatment plan using diagnostic and prognostic information Able to order appropriate investigations

Patient Care – Treatment

Recognition and initial management of medical emergencies that may occur during Dental treatment

Perform basic cardiac life support

Transalveolar extractions and removal of simple impacted teeth Minor oral surgical procedures Management of Oro-facial infections Taking, processing and interpretation of various types of intra oral radiographs. Various kinds of restorative procedures using different materials available Simple endodontic procedures Removable and fixed prosthodontics Various kinds of periodontal therapy

ORAL MEDICINE & RADIOLOGY

- Able to identify precancerous and cancerous lesions of the oral cavity and refer to the concernee >
- Should have an adequate knowledge about common laboratory investigations and interpretation >
- Should have adequate knowledge about medical complications that can arise while treating systemically compromised patients and take prior precautions/ consent from the concerned >
- Have adequate knowledge about radiation health hazards, radiations safety and protection. >
- Competent to take intra-oral radiographs and interpret the radiographic findings P
- Gain adequate knowledge of various extra-oral radiographic procedures, TMJ radiography and P sialography.
- Be aware of the importance of intra- and extra-oral radiographs in forensic identification and age P estimation
- Should be familiar with jurisprudence, ethics and understand the significance of dental record > with respect to law

PAEDIATRIC & PREVENTIVE DENTISTRY

- Able to instill a positive attitude and behaviour in children towards oral health and understand P the principles of prevention and preventive dentistry right from birth to adolescence.
- Able to guide and counsel the parents in regards to various treatment modalities including > different facets of preventive dentistry.
- P Able to treat dental diseases occurring in child patient.
- Able to manage the physically and mentally challenged disabled children effectively and P efficiently, tailored to the needs of individual requirement and conditions.

ORTHODONTICS & DENTOFACIAL ORTHOPAEDICS

- Understand about normal growth and development of facial skeleton and dentition.
- Pinpoint oberrations in growth process both dental and skeletal and plan necessary treatment >
- Diagnose the various malocclusion categories >
- Able to motivate and explain to the patient (and parent) about the necessity of treatment >
- Plan and execute preventive orthodontics (space maintainces or space regaines) >
- Plan and execute interceptive orthodontics (habit breaking appliances) >
- Manage treatment of simple malocclusion such as anterior spacing using removable appliances P
- Handle delivery and activation of removable orthodontic appliances P
- Diagnose and appropriately refer patients with complex malocclusion to the specialist >

PERIODONTOLOGY

- Diagnose the patients periodontal problem, plan and perform appropriate periodontal treatmer P
- Competent to educate and motivate the patient P
- Competent to perform thorough oral prophylaxis, subgingival scaling, root planning and minor P periodontal surgical procedures
- Give proper post treatment instructions and do periodic recall and evaluation P
- Familiar with concepts of osseointegration and basic surgical aspects of implantology P

PROSTHODONTICS AND CROWN & BRIDGE

- Able to understand and use various dental materials P
- Competent to carry out treatment of conventional complete and partial removable dentures and P fabricate fixed partial dentures
- Able to carry out treatment of routine prosthodontic procedures. P
- Familiar with the concept of osseointegration and the value of implant-supported Prosthodont P procedures

CONSERVATIVE DENTISTRY AND ENDODONTICS

- Competent to diagnose all carious lesions
- Competent to perform Class I and Class II cavities and their restoration with amalgam P

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ORAL & MAXILLOFACIAL SURGERY

- Able to apply the knowledge gained in the basic medical and clinical subjects in the management of patients with surgical problems
- > Able to diagnose, manage and treat patients with basic oral surgical problems
- > Have a broad knowledge of maxillofacial surgery and oral implantology
- > Should be familiar with legal, ethical and moral issues pertaining to the patient care and communication skills
- > Should have acquired the skill to examine any patient with an oral surgical problem in an orderly manner
- > Understand and practice the basic principles of asepsis and sterilisation
- > Should be competent in the extraction of the teeth under both local and general anaesthesia
- Competent to carry out certain minor oral surgical procedure under LA liketrans-alveolar extraction, frenectomy, dento alveolar procedures, simple impaction, biopsy, etc.
- Competent to assess, prevent and manage common complications that arise during and after minor oral surgery
- > Able to provide primary care and manage medical emergencies in the dental office
- > Familiar with the management of major oral surgical problems and principles involved in the inpatient management

PUBLIC HEALTH DENTISTRY

- > Apply the principles of health promotion and disease prevention
- > Have knowledge of the organization and provision of health care in community and in the hospital service
- > Have knowledge of the prevalence of common dental conditions in India.
- > Have knowledge of community based preventive measures
- > Have knowledge of the social, cultural and env. Factors which contribute to health or illness.
- > Administer and hygiene instructions, topical fluoride therapy and fissure sealing.
- > Educate patients concerning the aetiology and prevention of oral disease and encourage them to assure responsibility for their oral health.

MINIMUM WORKING HOURS FOR EACH SUBJECT OF STUDY (B.D.S COURSE)

	Lecture	Practical	Clinical	Total Hours
Subjects	Hours	Hours	Hours	
General Human Anatomy Including	100	175		275
Embryology, Osteology and Histology.				100
General Human Physiology	120	60		180
Biochemistry	70	60		130
Dental Materials	80	240		320
Dental Anatomy Embryology, and Oral	105	250		355
Histology				
Dental Pharmacology & Therapeutics	70	20		90
General Pathology Microbiology	55	55		110
3,	65	50		115
General Medicine	60		9	150
General Surgery	60		90	150
Oral Pathology & Microbiology	145	130		275
Oral Medicine & Radiology	65		170	235
Paediatric & Preventive Dentistry	65		170	235
Orthodontics & dental orthopaedics	50		170	220
Periodontology	80		170	250
Oral & Maxillofacial Surgery	70		270	340
Conservative Dentistry & Endodontics	135	200	370	705
Prosthodontics & Crown & Bridge	135	300	370	805
Public Health Dentistry including	60		200	260
Lectures on Tobacco Control & Habit				
Cessation				
Total	1590	1540	1989	5200

Note:

There should be a minimum of 240 teaching days each academic year consisting of 8 work hours, including one hour of lunch break.

Internship – 240x8 hours-1920 clinical hours







No: DCII/ 67/2023 Government Denta/College & Hospital, Ahmedahad - 16 Date: 03108/23

ACADEMIC CALENDAR 2023-2024 MONTHS ACTIVITY July 2023 1º IOAC Meeting July Value Added Course July 14 Interdepartmental Seminar July CDE Program 2nd internal exam batch 1st year batch 22-23 July July 1st internal exam batch 2nd year batch 22-23 University exam 3rd year July August Commencement Of 1st Term For 4th Year BDS Final year Orientation programme August August Independence Day Celebration August Janmashtami Program In Hostel August CDE Program August Faculty Development Program August Value Added Course August or September Ganesh Utsay Celebration In Hostel September 1st year prelim exam batch 22-23 2"d year second internal exam batch 22-23 September September Commencement Of 1ª Term For 1ª Year MDS Students September 2nd Interdepartmental Seminar September Employability And Skill Development Program 5th September Teacher's Day September Program On Facial Esthetic September Human Value Development program September Prelim exam new syllabus MDS (batch 22-23) part I September CDE Program September Value Added Course September Ethical Committee meetings September ADD On Course September/October Mrudang Event For Navratri September/October Commencement Of 1st Year BDS & 1st year MDS September/October Orientation Program For 1st BDS & 1st MDS And Awareness For Code Of Conduct September/October Program On Professional Ethics September/October Commencement of new batch for internship and Orientation Program October Photography Skill Development Program October Final university exam new syllabus MDS(batch 22-23) part 1 ????

October	Commencement Of 1st Term For 2nd Year MDS??????		
Detober	Interdepartmental Seminar		
October	Faculty Development Program		
Detober	Gender Equality Program		
October	CDE Program		
October			
	Program On Language And Communication Skill Development		
October	Value Added Course		
October	ADD On Course		
October	Cultural & Sports Activity For BDS & MDS Students.		
October /November	Diwali Vacation For BDS Students		
November	2 nd IQAC Meeting		
7 th November	World Cancer Awareness Day		
November	Second year orientation programme		
November	Program On Personality And Professional Development		
November	Value Added Course		
November	ADD On Course		
November/December	1 st Terminal Exam For 4 th BDS Students		
1 st December	World AIDS Day Celebration		
December	CDE Program		
December	Faculty Development Program		
December	Interdepartmental Seminar		
December	Program For Career Counseling And Competitive Examinations		
December	prelim exam for 2 nd year BDS		
December	Library Thesis Submission For 2 nd Year MDS Students		
December	Dissertation Submission For 3 rd Year MDS		
December	Value Added Course		
January 2024	1 st internal exam for 1 st year and 2 nd year BDS		
January	Parent Teacher Meetings For 3 rd & 4 th Year BDS		
January	Interdepartmental Seminar		
January	CDE Program		
January	ADD On Course		
January (Last Week)	3 rd IQAC Meeting		
February	2 nd year university exam batch 2022-23		
February	Final year 2 nd internal exam batch 2023-24		
February	Value Added Course		
February	Program On Professional Ethics		
February	Faculty Development Program		
February	ADD On Course		
February			
February	Interdepartmental Seminar		
February / March	2 nd Terminal Exam For 3 rd and 4 th BDS Students		
March	University exam 1 st BDS (22-23 Batch)????????		
March	Orientation programme for 3 rd year (23-24 batch)		
March	CDE Program		
March	Oral health week celebration (20 th march)		
March	WOMENS EQUALITY Celebration		
Watch	Add On Course		

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Interdepartmental Seminar	
value Added Course	
^{2ⁱⁿⁱ} year second internal examination 2023-24	
CDE Program	
World health day celebration (7 th April)	
ADD On Course	
4 th IQAC Meeting	
Interdepartmental Seminar	
Parent Teacher Meetings For 1 st & 2 nd Year BDS	
Summer Vacation Starts For Staff	
No Tobacco Day Celebration	
ADD On Course	
Prelim Exam For 4 th BDS Students	
Second internal exam for 1 st year BDS 2023-24	
Third year 1 st internal exam	
Yoga Day Celebration	
ADD On Course	
Reading Vacations For BDS Students	
Value Added Course	
Prelim exam for 1 st year BDS	
Final University Exam For 4 th year BDS	
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02	

Note: Diwali vacation will not be given to 3rd, 4th BDS and MDS students as they have clinical posting. Final dates of internal examinations will be circulated before 15 days and university examinations dates will be declared as per university circulars. commencement of term may subject to change as per admission process.

Copy to: All Departments, IAQC Student section Notice Board

IQAC Coordinator

Government Dental college & hospital, Ahmedabad