

COMPETENCIES

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

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

Uncomplicated extraction of teeth
 Transalveolar extractions and removal of simple impacted teeth
 Minor oral surgical procedures
 Management of Oro-facial infections
 Simple orthodontic appliance therapy
 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 concerned speciality for their management
- Should have an adequate knowledge about common laboratory investigations and interpretation of their results.
- Should have adequate knowledge about medical complications that can arise while treating systemically compromised patients and take prior precautions/ consent from the concerned medical specialist.
- Have adequate knowledge about radiation health hazards, radiations safety and protection.
- Competent to take intra-oral radiographs and interpret the radiographic findings
- Gain adequate knowledge of various extra-oral radiographic procedures, TMJ radiography and sialography.
- Be aware of the importance of intra- and extra-oral radiographs in forensic identification and age estimation
- Should be familiar with jurisprudence, ethics and understand the significance of dental records with respect to law

PAEDIATRIC & PREVENTIVE DENTISTRY

- Able to instill a positive attitude and behaviour in children towards oral health and understand 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.
- Able to treat dental diseases occurring in child patient.
- Able to manage the physically and mentally challenged disabled children effectively and 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 aberrations 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 maintainers or space regainers)
- Plan and execute interceptive orthodontics (habit breaking appliances)
- Manage treatment of simple malocclusion such as anterior spacing using removable appliances
- Handle delivery and activation of removable orthodontic appliances
- Diagnose and appropriately refer patients with complex malocclusion to the specialist

PERIODONTOLOGY

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

PROSTHODONTICS AND CROWN & BRIDGE

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

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 impactions, 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 in-patient 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)

Subjects	Lecture Hours	Practical Hours	Clinical Hours	Total Hours
General Human Anatomy Including Embryology, Osteology and Histology.	100	175		275
General Human Physiology	120	60		180
Biochemistry	70	60		130
Dental Materials	80	240		320
Dental Anatomy Embryology, and Oral Histology	105	250		355
Dental Pharmacology & Therapeutics	70	20		90
General Pathology Microbiology	55	55		110
	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 Lectures on Tobacco Control & Habit Cessation	60		200	260
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 : DCH/ 68 / 2022

Government Dental College & Hospital,

Ahmedabad – 16

Date : 11/7/2022

ACADEMIC CALENDAR 2022-2023

Every stake holders of the institute are informed to see the new events added from this academic year. **Mentor Mentee meetings** will be arranged on 3rd Saturday of each month by **Mentor Mentee committee**. **Academic audit** of each clinical department will be arranged **quarterly**. **Retest** will be taken after prelim exam.

MONTHS	ACTIVITY
July 2022	Tree Plantation Day (1 st July)
July 2022	National Doctor's Day Celebration (1 st July)
July	1st IQAC Meeting
July/August 2022	Commencement Of 1 st Term For 3 rd , 4 th Year BDS
July/August	Orientation Program For 3 rd , 4 th Year BDS
July	MANPASAND CARVINGS
July	First terminal exam 1 st BDS (Batch 21-22)
July	Commencement Of 1 st Term For 3 rd Year MDS
July	Value Added Course
July	1st Academic Audit
July	1st Interdepartmental Seminar
July	CDE Program
August	75 th Independence Day Celebration Azadi Ka Amrut Mahotsav Celebration
August	Janmashtami Program In Hostel
August	CDE Program
August	Faculty Development Program
August	Value Added Course Like
August (End) & September (1st Week)	Ganesh Utsav Celebration In Hostel
September	Preclinical Exercises For 1 st Year MDS Students
September	2nd Interdepartmental Seminar
September	Employability And Skill Development Program
5 th September	Teacher's Day

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December	Commencement Of 2 nd Term For 2 nd , 3 rd Year MDS
December	1 st Terminal Exam For 3 rd BDS Students
December	Library Thesis Submission For 2 nd Year MDS Students
December	Dissertation Submission For 3 rd Year MDS
December	Start Of 2 nd Teaching Term For 3 rd & 4 th BDS
December	Value Added Course
January 2023	Prelim exam 1st BDS (Batch 21-22)
January 2023	Parent Teacher Meetings For 3rd & 4th Year BDS
January	5th Interdepartmental Seminar
January	CDE Program
January	4th ADD On Course
January (Last Week)	3 rd IQAC Meeting
February	Value Added Course
February	Program On Professional Ethics
February	Faculty Development Program
February	2 nd Terminal Exam For 4 th BDS Students
February	5th ADD On Course
February	6th Interdepartmental Seminar
February	Commencement Of 2 nd Term For 1 st Year BDS(22-23 batch) And 1 st Year MDS
February / March	University exam 1 st BDS (21-22 Batch)
March (Last Week)	3rd Academic Audit
March	Prelim(Mock) Exam For 3 rd Year MDS& Prelim Theory Exam Paper1 For 1 st Year MDS (New Syllabus)
March	CDE Program
March	Oral health week celebration (20 th march)
March	WOMENS EQUALITY Celebration
March	2nd BDS Field Visit To Physiotherapy College
March	6th Add On Course
March	2 nd Terminal Exam For 3 rd BDS Students
March	7th Interdepartmental Seminar
March	Value Added Course
March/ April	Commencement of 1 st term for 2 nd year BDS
April	University Exam For 3 rd Year MDS& University Theory Exam Paper1 For 1 st Year MDS (New Syllabus)
April	CDE Program
April	World health day celebration (7 th April)
April	7th ADD On Course
April	4 th IQAC Meeting
April	8th Interdepartmental Seminar
April 2023	Parent Teacher Meetings For 1st & 2nd Year BDS

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September	Gyan Module 3
September	Program On Facial Esthetic
September	Human Value Development program
September	Prelim exam new syllabus MDS (batch 21-22) part I
September	CDE Program
September	Value Added Course
September	Ethical Committee meetings
September	Sports Week
September	1st ADD On Course
September/October	Mrudang Event For Navratri
September/October	Commencement Of 1 st Year BDS And 1 st 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 For Interns
October	Photography Skill Development Program
October	Final university exam new syllabus MDS(batch 21-22) part I
October	Second terminal exam 1st BDS (Batch 21-22)
October	Commencement Of 1 st Term For 2 nd Year MDS
October	1st BDS Field Visit To Anatomy Dept. Of B.J. Medical College
October	3rd Interdepartmental Seminar
October	Faculty Development Program
October	Gender Equality Program
October	CDE Program
October	Program On Language And Communication Skill Development
October	Value Added Course
October	2nd 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	Program On Personality And Professional Development
November	Value Added Course
November (Last Week)	2nd Academic Audit
November	1 st Terminal Exam For 4 th BDS Students
November	3rd ADD On Course
1 st December	World AIDS Day Celebration
December	CDE Program
December	Faculty Development Program
December	4th Interdepartmental Seminar
December	Program For Career Counseling And Competitive Examinations

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