



# MANSAROVAR DENTAL COLLEGE

Mansarovar Campus, Rani Avanti Bai Marg, Village- Hinotia Aalam,

Ward No. 84, Kolar Road, Bhopal (M.P) 462042

Tel: +91-9111777225, 761158888. Website: [www.mansarovardentalcollege.com](http://www.mansarovardentalcollege.com)

**8.1.10 Any other relevant**



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## DENTAL GRADUATE ATTRIBUTES

### **GOALS:**

The dental graduates during training in the institutions should acquire adequate knowledge, necessary skills and reasonable attitudes which are required for carrying out all activities appropriate to general dental practice involving the prevention, diagnosis and treatment of anomalies and diseases of the teeth, mouth, jaws and associated tissues. The graduate also should understand the concept of community oral health education and be able to participate in the rural health care delivery programs existing in the country.

### **ATTRIBUTES:**

The attributes of a graduating student are dealt under three headings:

- (a) Knowledge and understanding
- (b) Skills and
- (c) Attitudes.

### **(A) KNOWLEDGE AND UNDERSTANDING:**

The graduate acquires the following during the period of training.

1. Adequate knowledge of the scientific foundations on which dentistry is based and good understanding of various relevant scientific methods, principles of biological functions and be able to evaluate and analyze scientifically various established facts and data.
2. Adequate knowledge of the development, structure and function of the teeth, mouth and jaws and associated tissues both in health and disease and their relationship and effect on general state of health and also bearing on physical and social well-being of the patient.
3. Adequate knowledge of clinical disciplines and methods which provide a coherent picture of anomalies, lesions and diseases of the teeth, mouth and jaws and preventive diagnostic and therapeutic aspects of dentistry.
4. Adequate clinical experience required for general dental practice.
5. Adequate knowledge of the constitution, biological function and behavior of persons in health and sickness as well as the influence of the natural and social environment on the state of health in so far as it affects dentistry.

  
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## **(B) SKILLS:**

A graduate is able to demonstrate the following skills necessary for practice of dentistry.

1. Able to diagnose and manage various common dental problems encountered in general dental practice keeping in mind the expectations and the right of the society to receive the best possible treatment available wherever possible.
2. Acquire the skill to prevent and manage complications if encountered while carrying out various surgical and other procedures.
3. Possess skill to carry out certain investigative procedures and ability to interpret laboratory findings.
4. Promote oral health and help prevent oral diseases where possible.
5. Competent in the control of pain and anxiety among the patients during dental treatment.

## **(C) ATTITUDES:**

A graduate develops during the training period the following attitudes.

1. Willing to apply the current knowledge of dentistry in the best interest of the patients and the community.
2. Maintain a high standard of professional ethics and conduct and apply these in all aspects of professional life.
3. Seek to improve awareness and provide possible solutions for oral health problems and needs throughout the community.
4. Willingness to participate in the CPED (Continuing Program for Dental Education) Programs to update the knowledge and professional skill from time to time.
5. To help and participate in the implementation of the national oral health policy.

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## EVALUATION METHODS INCORPORATED FOR DENTAL GRADUATE ATTRIBUTES:

### 1. Professionalism & Ethics:

Evaluation Method : The undergraduates are strictly monitored for abiding by the time for clinics/labs & didactic lectures. A strict dress code is to be adhered by each student. The policy of beneficence & do not harm , one of the pillars of ethical codes are inculcated during the orientation program and the same is monitored time after time.

### 2. Simulation of Clinical Exercises:

Evaluation: The students are made to do pre clinical work on typhodont simulation labs prior to treating patients. They are evaluated after each exercise by trained experienced tutors.

### 3. Theoretical and Clinical Knowledge and its Acumen:

Evaluation: After each clinical posting the student is assessed for clinical expertise by means of so called end posting exams. Theoretical knowledge is assessed by means of 3 hour examination after each semester.

### 4. Research skills:

Each undergrad student is made to do original research under the mentorship of respective teachers. Indigenous research lab is utilized as an infrastructure resource.

### 5. Social Responsibility:

Green Campus is the way of life at our institute. There is zero tolerance policy for usage of plastics. Biomedical waste is disposed as per the norms of WHO Guidelines. The waste is disposed at source.

### 6. Project based learning approach:

Students are encouraged to make projects on a said given topics on regular basis.

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The dental graduate attributes of our institute are intended to guide students to acquire the full range of necessary knowledge, skills, and reasonable attitudes necessary to carry out activities appropriate to oral dental practice. and understand the concept of public education about oral health. The new bachelor's abilities and characteristics are reflected in his thorough professionalism and complete scientific knowledge of patient care and service to society at large.

In terms of professionalism, BDS graduates by the time of graduation will have to master the following skills:

- Empathy, compassion, honesty, integrity, resilience and lifelong curiosity, as well as expression.
- Use a scientific approach to dentistry based on current research.
- Self-awareness, ability to recognize when clinical problems are beyond their understanding and ability, and willingness to seek help.
- The ability to provide and receive constructive criticism through assessment, performance review or appraisal.
- The ability to recognize and respond to one's own learning needs.
- Use organizational and time management skills effectively.
- Maintain their own physical, emotional, social and mental health, and understand the value of professional support in this process.
- Ability to use stress management techniques for self, patient and dental team as needed.

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- In-depth knowledge of the ethical concepts and legal obligations that come with providing dental care to specific patients, knowledge of the use of modern information technology for documents such as patient records, communication, data management, and healthcare applications.
- The ability to conduct effective peer reviews to help colleagues improve their performance.
- Maturity and responsibility to maintain the highest standards of dental practice throughout one's career.
- The ability to understand and implement federal, state and territory laws relating to the practice of dentistry.

In terms of scientific literacy, our BDS graduates will have mastered the following skills by the time of graduation:

- An understanding of the biological, medical, technological and basic clinical sciences to distinguish between normal and abnormal states in clinical dentistry.
- Oral health analysis skills
- Knowledge of how to prevent, diagnose and treat problems with the teeth, mouth, jaw and other related structures
- Understanding of the management of dental and medical disorders (pharmacological, physical, dietary, behavioral, and psychological).
- Possess the skill to carry out certain investigative procedures and the ability to interpret laboratory findings

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- The ability to offer treatment alternatives based on the most up to date information
- Be conversant with pharmacology in general medicine and understand pharmacology and therapeutics related to clinical dental practise.
- Sterilisation, disinfection, antisepsis, and infection control scientific concepts
- Awareness of the dangers of ionising radiations and their effects on biological tissues, as well as the restrictions governing their usage, such as dose reduction and radiation protection
- Understanding of research methodologies and how they are used
- The capacity to gather fresh information from a variety of sources, analyse and evaluate it critically, and use it correctly in the delivery of oral health care
- Understand the fundamentals of dental office administration, financial, and personnel management.

BDS graduates will have developed empathy during patient care upon graduation which would be reflected by:

- The ability to communicate with patients from various backgrounds, including the ability to listen to, respond to, and provide appropriate information to patients
- Consideration for the patients' views and expressed requirements
- The capacity to recognise patient preferences, expectations, and attitudes throughout treatment planning and delivery
- The capacity to manage chronic disease and disability, as well as the possible impact of chronic illness and disability on the patient's oral health
- The ability to gather a complete dental, medical, and social history, as well as execute a full oral examination

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- The ability to combine and analyse clinical data in order to arrive at a correct diagnosis or differential diagnosis
- The capacity to conduct suitable dental operations effectively and safely, especially emergency procedures, with proper respect for the patient's comfort;
- The ability to relieve pain and give effective therapy (physical comfort)
- Providing ways to the patients to overcome bad behaviours which have a negative impact on the oral health
- Preventing cross infections by maintaining a strict protocol of sterilisation and disinfection While serving the society at large, our BDS alumni will have achieved the following skills at graduation.
- The capacity to contribute to their communities wherever they choose to live and work;
- Oral health promotion abilities, including both primary and secondary prevention;
- A knowledge of the concepts of oral health literacy, as well as a willingness and aptitude to participate to community oral health education.
- Understanding of the burden of oral illness in India's various groups and geographic areas
- The ability to recognise the needs of healthcare systems in a multicultural community
- The capacity to consider the local, regional, and national implications of healthcare concerns;
- The ability to respect community values, including an understanding of a variety of backgrounds and cultural beliefs

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The following has been employed by the institute for evaluation and implementation of the above stated attributes:

- The undergraduates are strictly monitored for abiding by the time for clinics/labs and lectures
- A strict dress code is to be adhered by each student.
- The policy of beneficence and do not harm, one of the pillars of ethical codes are inculcated during the orientation programme and the same is monitored time after time.
- Students are required to perform pre-clinical work on the typhoid simulation laboratory before treating the patient
- After each clinical assignment, students are assessed for clinical expertise through end-of-term assessments that include hands-on patient examinations and oral protection.
- Practical knowledge is assessed through regulations established by DCI (OSCE/OSPE for internal testing (clinical procedures, preclinical exercises, observers, etc.)) and Madhya Pradesh Medical Science University, Jabalpur.
- Theoretical knowledge is assessed by two internal assessments 5 months apart, a preliminary theory test before the college entrance exam and university exams. MCQs are given for evaluation after three or four topics.
- Students are encouraged to work on projects on the given topics on a regular basis.
- Training in specialist clinics gives students confidence in different treatment modalities and interdisciplinary approaches.

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