



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

8.1.8 Report on the list and steps taken by the College to measure attainment of specific competencies



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

Report on the list and steps taken by the College to measure attainment of specific competencies by the BDS students/interns stated in the undergraduates curriculum during the year.

The Mansarovar Dental College has implemented measures to attainment of specific competencies. The measures are spread out over the entire course. Starting from BDS first year to BDS IV year and also during the Rotatory Internship.

List of Measures

- 1. OSCE/OSPE-** The students are assessed through these objective methods during their internal exams. Different work stations pertaining to the specific skills are set up and the examiners observe the students while performing these skills and evaluate.
- 2. Projects-** The students are assigned specialty specific short term projects. The faculty in charge of the project involves the student in every step of the execution and completion of the project. The student is involved in conceptualization, designing and writing the project proposal and also synopsis to the institutional Review Board that is submitted subsequently.
- 3. Seminars-** The faculty in charge for the seminars allots seminar topics and guides the student in preparing and presenting a well structured seminar.
- 4. Community Dental Health Programs-** As a part of the social outreach programs of the college the students are involved in delivering dental health services for the vulnerable communities like government schools, orphanages, old age homes, factory workers and rural population. These program involve oral health screening and treatment procedures. This initiative helps the students in developing empathy, clinical skills, knowledge and attitude.
- 5. White coat Ceremony-** Is a noble initiative where in the students are oriented towards value based dental practice. The program is conducted for third year BDS students that include communication skills, empathy, patient safety and hospital infection control practices.



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

Steps Taken

- Orientation of teachers towards OSCE and OSPE
- Periodic review of the progress of the project
- Content and delivery assessment of seminars in the form of evaluation form
- Students report on community dental health programs
- Infection control protocol and patient safety measures.

Steps taken to attain the specific competencies by BDS Students:-

S.No	Subject	Specific Competencies	Steps taken to attain the specific competencies
1.	Anatomy	<ul style="list-style-type: none">• To acquire knowledge about structural components of the body (macroscopic and microscopic) and correlate it normal body functions.• To emphasize development and developmental anomalies of oral, dental and maxillofacial structures	<ul style="list-style-type: none">• Dissection of human cadavers• Study of preserved specimens• Demonstrations
2.	Physiology	<ul style="list-style-type: none">• To acquire adequate knowledge and develop skill to perform physiology laboratory tests.• To interpret these normal functions with a view to differentiate from abnormal functions• To demonstrate the knowledge and understanding of biomolecules	<ul style="list-style-type: none">• Estimation of Hb concentration.• Determination of differential count of white blood cell (WBC).• Determination of bleeding time & clotting time.• Determination of blood grouping & cross matching.• Determination of Erythrocyte Sedimentation Rate (ESR).



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

			<ul style="list-style-type: none"> • OSPE: Recording BP bypalpatory and auscultatory method Examination of radial pulse
3.	Biochemistry	<ul style="list-style-type: none"> • To apply the knowledge and understanding of biochemistry in dentistry • To demonstrate the knowledge and understanding of biomolecules forming the structure of the human body, their functions and role in health and disease • To learn the normal biochemical values in conventional and SI. Units • To diagnose diabetes. 	<ul style="list-style-type: none"> • To Estimate bloodglucose • To Estimate abnormal constituents of urine(sugar, protein & ketone bodies) and their clinical significance
4.	Dental Anatomy, Embryology And Oral Histology	<ul style="list-style-type: none"> • To identify differentteeth in different dentition • To explain any toothby its morphology • To acquire the clinical importance of teeth and oral tissues. • To differentiate between normal andpathological state oforal structures. • To Outline the development of maxillae, mandible, palate, tongue and lips. 	<ul style="list-style-type: none"> • Wax carving of permanent tooth • Microscopic examination and study of dental and oral structures, salivary glands



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

5	General Pathology	<ul style="list-style-type: none"> • To learn about the causes & pathogenesis of diseases • To demonstrate the knowledge and understanding of general pathological and preventive knowledge about diseases • To apply pathological knowledge in practicing dental surgery to improve the oral and dental health 	<ul style="list-style-type: none"> • Test for abnormal constituents of urine like sugar, albumin, ketone bodies • Demonstration of specimens. <p>OSPE:</p> <ul style="list-style-type: none"> • Hematological investigation – total and differential count
6	Microbiology	<p>To have knowledge & understanding about sterilization, asepsis and infection prevention</p> <ul style="list-style-type: none"> • To learn about the characteristics of different types of disease causing microorganisms 	<ul style="list-style-type: none"> • To study different types and parts of microscope <p>OSPE:</p> <ul style="list-style-type: none"> • Gram staining • Biomedical waste segregation • Hand washing technique
7	General Pharmacology	<ul style="list-style-type: none"> • Describe indications, contraindications and side effects of medicines related to dental practice. • To manage dental pain • To learn about the proper use of local anesthetic agents • To prescribe drugs for common dental problems • To learn therapeutic decision making • To write rational prescription 	<p>OSPE:</p> <ul style="list-style-type: none"> • Preparation of tooth powder • Preparation of tooth paste • Writing prescription



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

8	Dental materials	<ul style="list-style-type: none"> To have knowledge about physical and chemical properties of dental materials A student must learn to manipulate dental materials to be used in clinical practice 	<ul style="list-style-type: none"> Making of impression with impression compound Manipulation of gypsum products Manipulation of dental cements
9	Pre-clinical Conservative Dentistry	<ul style="list-style-type: none"> To develop skills in cavity preparation and restorative procedures To develop skills in the manipulation of dental materials used in conservative dentistry 	<ul style="list-style-type: none"> Cavity preparation in plaster models Cavity preparation and restoration in phantom models
10	Pre-clinical Prosthodontics Crown & Bridge	<ul style="list-style-type: none"> To develop skills for fabrication of complete dentures and removable partial dentures To develop skills in manipulation of various impression materials for clinical practice 	<ul style="list-style-type: none"> Preparation of special trays Preparation of occlusal rims and teeth setting in articulator
11	General Medicine	<ul style="list-style-type: none"> The student should be able to perform general physical examination and look for anaemia, cyanosis, clubbing, jaundice and to record vital signs- pulse, BP, temperature. To know history taking from the patient and writing To diagnose various systemic diseases from history and physical findings To learn intramuscular and intravenous injections Prescription writing 	<ul style="list-style-type: none"> Patient examination and case presentation Case discussions of diagnosis of various systemic diseases and investigations.



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

12	General Surgery	<ul style="list-style-type: none">• To identify the common surgical problems, consider the differential diagnosis and complications• The student must be able to learn and mention benign and malignant tumors of soft and hard tissue of head and neck• To be able to perform minor surgical	OSCE: Patient care- diagnosis and treatment planning Case discussions
----	------------------------	---	--

Dr. B. Gurudutt Nayak
Principal
Mansarovar Dental College
BHOPAL