

2.6.1 – The Institution has stated the learning outcomes (generic and programme-specific) and graduate attributes as per the provisions of the Regulatory bodies and the University; which are communicated to the students and teachers through the website and other documents




PRIYADARSHINI
DENTAL COLLEGE AND HOSPITAL

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COURSE OUTCOMES

S.NO	SUBJECT	COURSE SPECIFIC OUTCOMES
1.	Anatomy	<ul style="list-style-type: none">• To acquire knowledge about structural components of the human body (macroscopic and microscopic) and correlate it normal body functions.• To emphasize development and developmental anomalies of oral, dental and maxillofacial structures.
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 .
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.


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4.	Dental Anatomy, Embryology And Oral Histology	<ul style="list-style-type: none">• To identify different teeth in different dentition• To explain any tooth by its morphology To acquire the clinical importance of teeth and oral tissues.• To mention the histological structures of tooth and associated oral structures• To differentiate between normal and pathological state of oral structures.• To Outline the development of maxillae, mandible, palate, tongue and lips.• Able to understand the age changes of normal oral structures• Able to learn the chronology and pattern of tooth eruption and its clinical significance• To learn the physiologic process of tooth development.• To learn in detail the formation of enamel, dentine, cementum, pulp, periodontal ligament, salivary glands and Temporo-mandibular joint.• To learn the mechanisms and theories of tooth eruption
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.

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6.	Microbiology	<ul style="list-style-type: none">To have knowledge & understanding about sterilization, asepsis and infection prevention .To learn about the characteristics of different types of disease causing microorganisms .
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 anaesthetic agents .To prescribe drugs for common dental problems .To learn therapeutic decision making .To write rational prescription .
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.
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.
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 .
11.	General Medicine	<ul style="list-style-type: none">The student should be able to perform general physical examination and look for anemia, cyanosis, clubbing , jaundice and to record vital signs- pulse, BP, temperature.To know history taking from the patient and

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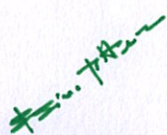
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		<p>writing.</p> <ul style="list-style-type: none">• To diagnose various systemic diseases from history and physical findings.• Interpret and correlate physical findings with investigations like x-ray, hematology, urine and stool examination .• To learn intramuscular and intravenous injections .• Prescription writing .
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. <ul style="list-style-type: none">• procedures like incision and drainage of abscess.• To take biopsy under local anesthesia.• Understanding about personal and patient safety in OPD and OT through proper asepsis and infection prevention.• Knowledge and management of shock and appropriate referral in potential emergency situations during dental procedures.
13.	Oral Pathology and Oral Microbiology	<ul style="list-style-type: none">• To learn the oral manifestations of systemic diseases.• To learn the etiology, clinical features, radiographic and histopathological features of common developmental disturbances of teeth and jaws .• To acquire knowledge about clinical and histopathologic features of odontogenic, non-odontogenic and salivary gland tumors.• Basic knowledge about biopsy and frozen section in diagnosis of oral disease .
14.	Oral Medicine and Radiology	<ul style="list-style-type: none">• Knowledge about red and white lesions of oral


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		<p>cavity.</p> <ul style="list-style-type: none"> To know about clinical features and laboratory investigations for common infective and non-infective ulcers of the oral cavity. Knowledge about radiation safety, hazards. Must be able to take and interpret intraoral radiographs. Knowledge about clinical features and pathogenesis of vesiculobullous lesions of oral mucosa.
15.	Conservative Dentistry and Endodontics	<ul style="list-style-type: none"> To be able to diagnose all types of carious lesions. To prepare class I and class II cavities and restore with amalgam. Competent to carry out small composite restorations. To understand the principles of aesthetic dental procedures. The student should learn about patient assessment and diagnostic procedures for endodontic therapy. Able to perform RCT for anterior teeth.
16.	Oral and Maxillofacial Surgery	<ul style="list-style-type: none"> Able to diagnose, manage and treat patients with oral surgical problems. Understand and practice the basic principles of sterilization. Should be competent in the extraction of teeth. Able to provide primary care and manage medical emergencies in dental office. 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.
17.	Orthodontics and Dentofacial Orthopaedics	<ul style="list-style-type: none"> To understand about the normal growth and development of facial skeleton and dentition.

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		<ul style="list-style-type: none">• To diagnose different types of malocclusion.• To manage and treat simple malocclusion like anterior spacing using removable appliances.• Treatment planning and execution of preventive and interceptive orthodontics.
18.	Paediatric and Preventive Dentistry	<ul style="list-style-type: none">• Knowledge about management of dental diseases in children.• Able to manage physically and mentally disabled children efficiently according to their treatment needs.• Able to guide and counsel the parents about the various paediatric dental treatment modalities available.• To understand the principles of prevention and preventive dentistry in children .
19.	Periodontology	<ul style="list-style-type: none">• To diagnose and manage common periodontal diseases .• To learn the basic principles of periodontal instrumentation and perform it .• Identification of periodontal instruments .• To perform scaling and root planning with full aseptic precautions.• To provide oral hygiene instructions to patients.• To learn appropriate investigations to diagnose periodontal diseases.• To have an understanding of prevention of periodontal diseases .• Must be able to furnish initial treatment plan and treat gingivitis and periodontitis cases.• To be able to perform minor surgical procedures like abscess drainage, operculectomy etc.
20.	Prosthodontics and Crown and Bridge	<ul style="list-style-type: none">• Competent to carry out conventional complete and partial removable dentures, fixed partial dentures .• Able to understand and use various dental

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		materials. • Competent to carry out routine prosthodontic procedures.
21.	Public Health Dentistry	<ul style="list-style-type: none">• Apply the principles of health promotion and disease prevention.• To have knowledge about provision of community dental health care.• To have community based preventive measures.• To administer oral hygiene instructions, topical fluoride therapy, pit and sealant application.

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