

BDS

Course code	Program outcome	Name of the Program	Name of the course	Course outcome
BDS-101	<p>1. Knowledge and Understanding: After undergoing this programme, a student will be able to:</p> <ul style="list-style-type: none"> ❖ Identify and describe the anatomy and physiology of the stomatognathic system ❖ Identify and describe various pathology associated with the stomatognathic system and understand relevant diagnostic aids 	BDS I Year	General Human Anatomy, Including Embryology, Osteology, Histology & Medical Genetics	<ul style="list-style-type: none"> ❖ Dental student with knowledge on normal disposition of the structures in the body, microscopic structure of the various tissues, nervous system to locate the site of lesions, sectional anatomy of head, neck and brain. ❖ Dental student possessing skills to locate various structures of head and neck of the body, identify various tissues under microscope, ❖ Dental student with an integrated knowledge on basic sciences and clinical subjects.
BDS-102	<ul style="list-style-type: none"> ❖ Describe treatment methodologies to restore the stomatognathic system to health <p>KU4: Explain methods of prevention of oral diseases in the individual and the community</p>	BDS I Year	General Human Physiology	<ul style="list-style-type: none"> ❖ Dental student with knowledge on normal functioning of all the organ systems and their interactions, relative contribution of each organ system towards the maintenance of total body function, physiological principles underlying the pathogenesis of various diseases and oral and para - oral structures. ❖ Dental student with basic skill to conduct and interpret experimental and investigative data,
BDS-102	<p>2. Cognitive Skills: After undergoing this programme, a student will be able to:</p>	BDS I Year	Biochemistry	<ul style="list-style-type: none"> ❖ Dental student with knowledge on biochemical agents related to dentistry, various micro and macro nutrients.
BDS-103	<ul style="list-style-type: none"> ❖ Diagnose the oral condition of the patient in relation to systemic conditions and Interpret diagnostic data to design a treatment plan ❖ Apply multidisciplinary simulation techniques available to optimize treatment plans ❖ Modify known treatment methodologies to best resolve the patient's oral disease ❖ Develop a cost effective 	BDS I Year	Dental Anatomy, Embryology And Oral Histology	<ul style="list-style-type: none"> ❖ Dental graduate with basic knowledge on Morphology of both deciduous and permanent teeth, Methods of identifying the teeth and age of the plaster cast ❖ Dental graduate with basic skills in Wax carving of teeth, Identifying the basic histology slides by microscopy ❖ Dental graduate with potential to efficiently communicate physiological development, morphology, structure & functions of teeth and oral & paraoral tissues & its variations.
BDS-201		BDS II Year	General Pathology	<ul style="list-style-type: none"> ❖ Dental student with knowledge on pathological changes at macroscopic and microscopic levels, capabilities and limitations of morphological Pathology in its contribution to dentistry

	strategy based on Principles of Oral Health promotion for the community at large to improve oral health status while valuing patients and community as partners			❖ Dental student with an ability to integrate knowledge from the basic sciences to clinical application in dentistry
BDS-201	<p>3. Practical Skills: After undergoing this programme, a student will be able to:</p> <ul style="list-style-type: none"> ❖ Differentiate manifestations of oral diseases by performing clinical examination in an ethical and empathetic manner 	BDS II Year	Microbiology	<ul style="list-style-type: none"> ❖ Dental student with sound understanding of various infectious diseases and lesions in the oral cavity, various methods of Sterilisation and disinfection. ❖ Dental student with basic skills to select, collect and transport clinical specimens to the laboratory and be able to carry out proper aseptic procedures in the dental clinic
BDS-202	<ul style="list-style-type: none"> ❖ Perform relevant procedures for oral diseases to restore oral health of the patient by selecting appropriate equipment, instruments, simulation labs and materials ❖ Construct a treatment plan for patients with oral symptoms of systemic health conditions and perform procedures and referral to restore health of the patient with compassion 	BDS II Year	General and Dental Pharmacology and Therapeutics	<ul style="list-style-type: none"> ❖ Dental student with knowledge on indications, contraindications; interactions, allergies and adverse reactions of commonly used drugs, use of appropriate drugs in disease with consideration to its efficacy, safety for individual and mass therapy needs. ❖ Dental student with an ability to advice special care in prescribing common and essential drugs in special medical situations such as pregnancy, lactation, old age, renal, hepatic damage and immune compromised patients. 3. Dental student with skills to prescribe drugs for common dental and medical ailments, appreciate adverse reactions and drug interactions of commonly used drugs.
BDS-203	<ul style="list-style-type: none"> ❖ Alleviate pain and infection by administration of appropriate medications and manage medical emergencies associated with dental treatment and maxillofacial trauma in an empathetic manner 	BDS II Year	Dental Materials	<ul style="list-style-type: none"> ❖ Dental student with knowledge of physical, chemical, mechanical and biological properties of all materials used in dentistry. ❖ Dental student with an ability to manipulate various dental materials
BDS-204	<p>4. Capability/ Transferrable Skills:After undergoing the programme, a student will be able to:</p>	BDS II Year	Pre-Clinical Conservative Dentistry	<ul style="list-style-type: none"> ❖ Dental student will sound knowledge on hand and rotary cutting instruments. ❖ Dental student with basic skill to prepare cavity designs to receive various restorative materials on typhodont teeth in skill laboratory.
BDS-205	<ul style="list-style-type: none"> ❖ Manage information, develop technical reports and make presentations 	BDS II Year	Pre-Clinical Prosthodontics	<ul style="list-style-type: none"> ❖ Dental student with sound knowledge on landmarks in edentulous patients would be able to do all lab procedures to make a conventional complete denture
BDS-301	<ul style="list-style-type: none"> ❖ Build, Manage and Lead a team to successfully complete a project and communicate across teams and organizations to achieve professional objectives ❖ Work under various constraints to meet project targets 	BDS III Year	General Medicine	<ul style="list-style-type: none"> ❖ Dental student with sound knowledge on oral manifestations of systemic diseases, medical emergencies in dental practice. special precautions/ contraindication of anesthesia. ❖ Dental students with ability to diagnose and manage various common medical problems encountered in general, dental practice and dental emergencies.

	❖ Adopt to the chosen profession by continuously upgrading his/her knowledge and understanding through Life-long Learning philosophy.			❖ Dental student with basic skill to prevent and manage complications encountered while carrying out various dental surgical and other procedures.
BDS-302		BDS III Year	General Surgery	<ul style="list-style-type: none"> ❖ Dental student with sound surgical knowledge on anomalies, lesions and diseases of the teeth, mouth and jaws. ❖ Dental student with an ability to diagnose and manage various common surgical problems encountered in general, dental practice and dental emergencies
BDS-303		BDS III Year	Oral Pathology	<ul style="list-style-type: none"> ❖ Dental graduate with basic knowledge on pathogenesis of Oral disease, diagnosis and comparison based on clinical, radiograph and histopathologic features of oral disease ❖ Dental graduate with basic skills in preparation of ground sections and oral smears, age estimation based on teeth, identifying and diagnosing the pathology based on light microscopy ❖ Dental graduate with potential to efficiently communicate diagnosis & correlate with other oral disease with their pathological processes.
BDS-401		BDS IV Year	Oral Medicine and Radiology	<ul style="list-style-type: none"> ❖ Generate graduates that demonstrate the necessary knowledge, skills and attitude in Oral & Maxillofacial Diagnosis, Diagnostic procedures and medical management of such disorders. ❖ Create confident and competent Dental professionals who can accomplish and execute clinical deftness in the diagnosis and management of Orofacial disorders
BDS-402		BDS IV Year	Oral and Maxillofacial Surgery	<ul style="list-style-type: none"> ❖ Application of knowledge of related medical subjects in management of patients with oral surgical problem. ❖ Sufficient knowledge to diagnose, manage and treat minor oral surgical procedures. ❖ Understanding and exposure to the management of major oral surgical problems and principles involved in inpatient management
BDS-403		BDS IV Year	Paedodontics and Preventive Dentistry	<ul style="list-style-type: none"> ❖ KNOWLEDGE: Dental practitioners with ability to diagnose common dental problems and/or capability to assess growth and development variations and suggest necessary referrals or actions as needed timely. ❖ SKILL: Clinicians who can effectively and efficiently perform basic dental treatments in children from birth to adolescence with proper behavior management of child and the parent, as well as instill positive dental

				attitude with preventive modalities
BDS-404		BDS IV Year	Conservative Dentistry and Endodontics	<ul style="list-style-type: none"> ❖ To educate and impart clinical skill to students which will help them in providing quality restorative treatment and basic endodontic procedures. ❖ To provide restorative care in dentistry in a competent and ethical manner which will contribute to the oral health and general well being of the individual and community. ❖ As a graduate, the dentist would exhibit professional behaviour, basic skills to carry out range of dental procedures in general dental practice independently with consistency and accuracy. ❖ To instill the importance of life-long learning and updating the knowledge in the field of restorative dentistry and endodontics.
BDS-405		BDS IV Year	Orthodontics and Dentofacial Orthopedics	<ul style="list-style-type: none"> ❖ Graduates emerging from this institute are excelling in academics & Practice. ❖ Many undergraduates from our institutes are pursuing post graduation in our specialty.
BDS-406		BDS IV Year	Periodontology	<ul style="list-style-type: none"> ❖ Oral health professionals who are efficient and trained to handle oral health issues ❖ Dental graduates on par with latest technologies which would develop them as professionals as well as help them in their employment opportunities ❖ Dental graduate with practical skills which would improve doctor patient relationship having positive impact on society ❖ Dental graduate who is skilled to apply multidisciplinary approach for successful treatment outcome ❖ Dental graduate with a research mindset trained on par with international standards
BDS-407		BDS IV Year	Prosthodontics and Crown and Bridge	<ul style="list-style-type: none"> ❖ Dental graduate with knowledge on prosthetics needs of patients, fabrication of all prosthodontic modes of treatment ❖ Dental graduate who is able to diagnose, motivate and treat patients who are partially and completely edentulous (including geriatric patients) with complete and partial dentures ❖ Dental graduate skilled enough to identify cases requiring specialist prosthodontic treatment needs and refer them for further follow up
BDS-408		BDS IV Year	Public Health Dentistry	<ul style="list-style-type: none"> ❖ Dental graduate with basic knowledge on oral health problems in India, methods for collecting data on these problems, methods

for prevention and control of these problems at individual and community levels.

- ❖ Dental graduate with basic skills in identifying oral health problems, collecting data on oral health problems prevailing in the country through surveys, developing strategies for their control at individual and community levels.
- ❖ Dental graduate with potential to efficiently communicate needs of the community, simple self care strategies to promote oral health of population