



KALINGA INSTITUTE OF DENTAL SCIENCES

Serving through Exemplary Oral Health Care, Education & Research



Bachelor of Dental Surgery (*BDS*) Program Outcome & Course Outcome

Program Outcomes :

- PO1: Describe normal and abnormal human structure, development, function and behavior that is relevant to the practice of Dentistry.
- PO2: Apply basic knowledge of biomedical, technical and clinical sciences for the effective practice of Dentistry.
- PO3: Elicit detailed Dental and relevant Medical history, perform an oral and general physical examination, and choose relevant laboratory diagnostic tests for identification of oral disorders, prevention of oral disease and promotion of oral health.
- PO4: Demonstrate the ability to interpret available clinical and laboratory data and effective clinical problem solving, in order to generate differential diagnoses and to manage oral health disorders.
- PO5: Perform and interpret a basic oral radiological examination safely.
- PO6: Plan and administer, safely, appropriate treatments, including surgical procedures, for common oral disorders in adults as well as children.
- PO7: Identify and manage common medical emergencies encountered in general dental practice.
- PO8: Identify and refer patients who may require specialist care.
- PO9: Demonstrate knowledge of global and national needs, policies and regulatory frameworks relevant to oral health.
- PO10: Function effectively as an oral health care team member in health care settings. PO11: Communicate effectively and sensitively with patients, care-givers, colleagues and the public in a manner that will improve health care outcomes and patient / client satisfaction.
- PO12: Demonstrate the ability to continue refining existing knowledge / skills and acquire new knowledge/skills.
- PO13: Select and pursue an appropriate career pathway that is professionally rewarding and personally fulfilling.
- PO14: Recognize and manage medico-legal, ethical and professional issues in dental practice.
- PO15: Demonstrate and practice integrity, responsibility, respect and selflessness.

COURSE OUTCOMES: (Anatomy)

- CO1: At the end of the 1st year BDS course in Anatomical Sciences the undergraduate student is expected to:
- CO2: Know the normal disposition of the structures in the body while clinically examining a patient and while conducting clinical procedures.
- CO3: Know the anatomical basis of disease and injury.
- CO4: Know the microscopic structure of the various tissues, a pre-requisite for understanding of the disease processes.
- CO5: Know the nervous system to locate the site of lesions according to the sensory and or motor deficits encountered.
- CO6: Have an idea about the basis of abnormal development, critical stages of development, effects of teratogens, genetic mutations and environmental hazards.
- CO7: Know the sectional anatomy of head neck and brain to read the features in radiographs and pictures taken by modern imaging techniques.
- CO8: Know the anatomy of cardio-pulmonary resuscitation.

Course outcomes: (Biochemistry)

At the end of the course the student would be able to acquire a useful core of information, which can be retained for a long time. The student:

- CO1: Should know why amylase will not hydrolyze cellulose.
- CO2: Should know why hemoglobin is globular and keratin is fibrous. Should know more than 90 % of ATP is formed by this process.
- CO3: Should know hydrochloric acid cannot break a peptide bond at room temperature.
- CO4: Should know that excess intake of carbohydrate will not increase glycogen level in liver or muscle.
- CO5: Should know the basis of increase of urea and creatinine in blood in renal insufficiency.
- CO6: Should know why insulin level in circulation is normal in most cases of maturity onset diabetes.
- CO7: Should know why about 10 g of ATP in the body at any given time meets all the energy needs.
- CO8: Should know why the gum bleeds in scurvy.
- CO9: Should know the basis of internal bleeding arising due to its deficiency.
- CO10: Should know why it does not lead to increased cholesterol synthesis in starvation.

Course outcomes: (Physiology)

- CO01: Explain the normal functioning of organ systems.
- CO02: Describe the interrelationships and interactions among various organs and systems for maintaining Homeostasis.

- CO03: Assess the relative contribution of each organ systems towards the maintenance of constant internal environment
- CO04: Differentiate between normal and abnormal functioning of organs and systems.
- CO05: Explain the physiological basis of pathogenesis and treatment of diseases and disorders.
- CO06: Apply the physiological basis in the practice of dentistry.
- CO07: Perform experiments designed for the better understanding of physiological phenomenon.
- CO08: Interpret experimental and investigative data.
- CO09: Distinguish between normal and abnormal data derived during the practical's or observed at the laboratory
- CO10: Apply ethical behaviour to professional practice.
- CO11: Apply effective communication skills while interacting with patients.

COURSE OUTCOMES: (Microbiology)

At the end of the Microbiology course the student is expected to:

- CO1: Understand the basics of various branches of microbiology and able to apply the knowledge relevantly.
- CO2: Apply the knowledge gained in related medical subjects like General Medicine and General Surgery and Dental subjects like Oral Pathology, Community Dentistry, Periodontics, Oral Surgery, Pedodontics, Conservative Dentistry and Oral medicine in higher classes.
- CO3: Understand and practice various methods of Sterilization and disinfection in dental clinics.
- CO4: Have a sound understanding of various infectious diseases and lesions in the oral cavity.

COURSE OUTCOMES: (Pathology)

At the end of the course the student should be competent to:

- CO1: Apply the scientific study of disease processes, which result in morphological and functional alterations in cells, tissues and organs to the study of pathology and the practice of dentistry.
- CO2: To demonstrate and apply basic facts, concepts and theories in the field of Pathology.
- CO3: To recognize and analyze pathological changes at macroscopically and microscopical levels and explain their observations in terms of disease processes.
- CO4: To integrate knowledge from the basic sciences, clinical medicine and dentistry in the study of Pathology.
- CO5: To demonstrate understanding of the capabilities and limitations of morphological Pathology in its contribution to medicine, dentistry and biological research.
- CO6: To demonstrate ability to consult resource materials outside lectures, laboratory and tutorial classes.

COURSE OUTCOMES: (Pharmacology)

At the end of the course the student shall be able to:

- CO1: Describe the pharmacokinetics and pharmacodynamics of essential and commonly used drugs in general and in dentistry in particular.
- CO2: List the indications, contraindications; interactions, and adverse reactions of commonly used drugs with reason.
- CO3: Tailor the use of appropriate drugs in disease with consideration to its cost, efficacy, and safety for individual and mass therapy needs.
- CO4: Indicate special care in prescribing common and essential drugs in special medical situations such as pregnancy, lactation, old age, renal, hepatic damage and immuno compromised patients.
- CO5: Integrate the rational drug therapy in clinical pharmacology.
- CO6: Indicate the principles underlying the concepts of "Essential drugs".
- CO7: Prescribe drugs for common dental and medical ailments.
- CO8: To appreciate adverse reactions and drug interactions of commonly used drugs.
- CO9: Observe experiments designed for study of effects of drugs.
- CO10: Critically evaluate drug formulations and be able to interpret the clinical pharmacology of marketed preparations commonly used in dentistry

COURSE OUTCOMES: (Dental Material)

At the end of the course, the student is expected:

- CO1: To understand the evolution and development of science of dental material. the composition, properties, manipulative techniques, and their various commercial names. The student should also acquire skills to select and use the materials appropriately for laboratory and clinical use.
- CO2: To explain purpose of course in dental materials to personnel concerned with the profession of the dentistry.
- CO3: Knowledge of physical and chemical properties.
- CO4: Knowledge of biomechanical requirements of particular restorative procedure. Search for newer and better materials which may answer our requirements with greater satisfaction.
- CO5: To understand and evaluate the claims made by manufactures of dental materials
- CO6: To exercise his/her best skills through knowledge of properties of different types of materials.
- CO7: To understand the allergic or toxic reactions of dental materials on oral tissues and methods to manage them.

COURSE OUTCOMES: (General Medicine)

At the end of the course, the Dental student must be:

- CO1: Able to record the arterial pulse, blood pressure & be capable of suspecting by sight and superficial examination of body: diseases of the heart, lungs, kidneys, blood etc.
- CO2: Capable of handling medical emergencies encountered in dental practice.
- CO3: Have knowledge of Special precautions/ contraindication of anesthesia and various dental procedures in different systemic diseases.
- CO4: Acquire knowledge about Oral manifestations of systemic diseases.
- CO5: Able to take history, do general physical examination (including build, nourishment, pulse, BP, respiration, clubbing, cyanosis, jaundice, lymphadenopathy, oral cavity) and be able to examine CVS, RS and abdomen and facial nerve.

COURSE OUTCOMES: (General Surgery)

At the end of the Course, the student must be able to:

- CO1: To acquaint with various diseases, which may require surgical expertise
- CO2: To train the student to analyze the history and be able to do a thorough physical examination of the patient.
- CO3: Have a good theoretical knowledge of various ailments
- CO4: Be practically trained to differentiate benign and malignant diseases
- CO5: Be able to decide which patient requires further evaluation.

COURSE OUTCOMES: (Oral Pathology)

At the end of Oral Pathology & Oral Microbiology course, the student should be able to comprehend -

- CO1: The different types of pathological processes, that involve the oral cavity.
- CO2: The manifestations of common diseases, their diagnosis & correlation with clinical pathological processes.
- CO3: An understanding of the oral manifestations of systemic diseases should help in correlating with the systemic physical signs & laboratory findings.
- CO4: The student should understand the underlying biological principles governing treatment of oral diseases.
- CO5: The principles of certain basic aspects of Forensic Odontology.

COURSE OUTCOMES: (Public Health Dentistry)

At the conclusion of the course the student shall:

- CO1: Have a knowledge of the basis of public health, preventive dentistry, public health problems in India,
- CO2: Nutrition, Environment and their role in health, basics of dental statistics, epidemiological methods,
- CO3: National oral health policy with emphasis on oral health policy.
- CO4: Understand the community aspects of dentistry
- CO5: To take up leadership role in solving community oral health programme
- CO6: Acquire skill of identifying health problems affecting the society, conducting health surveys, conducting health education classes and deciding health strategies.
- CO6: Students should develop a positive attitude towards the problems of the society and must take responsibilities in providing health.
- CO7: Able to communicate the needs of the community efficiently, inform the society of all the recent methodologies in preventing oral disease

COURSE OUTCOMES: (Prosthodontics and Crown & Bridge)

At the end of the course, the student is expected to:

- CO1: Acquire knowledge to diagnose the prosthodontic needs of the patients
- CO2: Gain skill and expertise to fabricate complete and removable partial dentures for the patient rehabilitation
- CO3: Basic knowledge about fixed prosthodontics
- CO4: Attain knowledge about implants in prosthodontics

COURSE OUTCOMES: (Periodontology)

- CO1: The student shall acquire the skill to perform dental scaling, diagnostic tests of periodontal diseases; to use the instruments for periodontal therapy and maintenance of the same.
- CO2: The student shall develop attitude to impart the preventive measures namely, the prevention of periodontal diseases and prevention of the progress of the disease.
- CO3: The student shall also develop an attitude to perform the treatment with full aseptic precautions; shall develop an attitude to prevent iatrogenic diseases;
- CO4: Counsel patients to conserve the tooth to the maximum possible time by maintaining periodontal health and to refer the patients who require specialist's care.

COURSE OUTCOMES: (Pediatric Preventive Dentistry)

At the end of the course the student shall be able to: -

- CO1: Understand the growth and development of orofacial structures including dentition
Acquire knowledge and skill to handle pediatric dental patients
Develop the skill to diagnose dental problems in pediatric patients
- CO2: Gain expertise in imparting treatment to pediatric patients with dental problems
- CO3: Have basic knowledge about child psychology and its application in managing dental pediatric patients

COURSE OUTCOMES: (Oral Medicine)

At the end of the course, the student is expected:

- CO1: To diagnose the common disorders of Orofacial region by clinical examination and with the help of such investigations as may be required and medical management of oro-facial disorders with drugs and physical agents.
- CO2: To understand the importance, role, use and techniques of radiographs/digital radiograph and other imaging methods in diagnosis.
- CO3: To gain knowledge about the principles of the clinical and radiographic aspects of Forensic Odontology.

COURSE OUTCOMES: (ORAL AND MAXILOFACIAL SURGERY)

- CO1: To produce a graduate who is competent in performing extraction of teeth under both local and general anaesthesia, prevent and manage related complications, acquire a reasonable knowledge and understanding of the various diseases, injuries, infections occurring in the Oral & Maxillofacial region and offer solutions to such of those common conditions and has an exposure in to the in-patient management of maxillofacial problems.
- CO2: At the end of the course and the clinical training the graduate is expected to - Able to apply the knowledge gained in the related medical subjects like pathology, microbiology and general medicine in the management of patients with oral surgical problem.
- CO3: Able to diagnose, manage and treat (understand the principles of treatment of) patients with oral surgical problems.
- CO4: Knowledge of range of surgical treatments.
- CO5: Ability to decide the requirement of a patient to have oral surgical specialist opinion or treatment.
- CO6: Understand the principles of in-patient management.
- CO7: Understanding of the management of major oral surgical procedures and principles involved in patient management.
- CO8: Should know ethical issues and communication ability.

- CO9: A graduate should have acquired the skill to examine any patient with an oral surgical problem in an orderly manner. Be able to understand requisition of various clinical and laboratory investigations and is capable of formulating differential diagnosis. CO9: Should be competent in the extraction of teeth under both local and general anaesthesia.
- CO10: Should be able to carry out certain minor oral surgical procedures under L.A. like frenectomy, alveolar procedures & biopsy etc.
- CO11: Ability to assess, prevent and manage various complications during and after surgery.
- CO12: Able to provide primary care and manage medical emergencies in the dental office.
- CO13: Understanding of the management of major oral surgical problems and principles involved in inpatient management.

COURSE OUTCOMES: (ORTHODONTICS & DENTOFACIAL ORTHOPAEDICS)

At the end of the course the student must be:

- CO1: Able to diagnose, analyses and treat common orthodontic problems by preventive, interceptive and corrective orthodontic procedures.
- CO2: Able to fabricate basic appliances in orthodontic procedures

COURSE OUTCOMES: (FORENSIC ODOTOLOGY)

- CO1: Have sound knowledge of the theoretical and practical aspects of forensic odontology.
- CO2: Have and awareness of ethical obligations and legal responsibilities in routine practice and forensic casework.
- CO3: Be competent to recognize forensic cases with dental applications when consulted by the police, forensic pathologists, lawyers and associated professionals.
- CO4: Be competent in proper collection, age estimation and bite marks.
- CO5: Be able to assist in analysis, evaluation, and presentation of dental facts within the realm of law.

COURSE OUTCOMES: (Ethics)

- CO1: Practice the specialty efficiently and effectively, backed by scientific knowledge and skill.
- CO2: Exercise empathy and a caring attitude and maintain high ethical standards.
- CO3: Continue to demonstrate keen interest in continuing professional education in the specialty and allied specialties irrespective of whether in teaching or practice.
- CO4: Willing to share the knowledge and skills with any learner, junior or a colleague.
- CO5: Develop the faculty for critical analysis and evaluation of various concepts and views, to adopt the most rational approach.

COURSE OUTCOMES: (CONSERVATIVE DENTISTRY & ENDODONTICS)

- CO1: The graduate should acquire the following knowledge during the period of training.
- CO2: To diagnose and treat simple restorative work for teeth.
- CO3: To gain knowledge about aesthetic restorative material and to translate the same to patient's needs.
- CO4: To gain the knowledge about endodontic treatment on the basis of scientific foundation.
- CO5: To carry out simple endodontic treatment.
- CO6: To carry out simple luxation of tooth and its treatment and to provide emergency endodontic treatment.
- CO7: Learn the skills to use medium and high speed hand pieces to carry out restorative work.
- CO8: Acquire the skills to use and familiarize endodontic instruments and materials needed for carrying out simple endodontic treatment.
- CO9: To achieve the skills to translate patients esthetic needs along with function.
- CO10: To motivate the patient for proper dental treatment at the same time proper maintenance of oral hygiene should be emphasize which will help to maintain the restorative work and prevent future damage.

BDS 1ST YEAR:

Name of the Course	Course Outcomes	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2	PO1 3	PO1 4	PO1 5
Human Anatomy	CO1	✓									✓	✓	✓			
	CO2	✓				✓	✓	✓	✓	✓						
	CO3	✓	✓			✓	✓	✓	✓	✓						
	CO4	✓	✓	✓		✓	✓	✓	✓	✓		✓	✓	✓	✓	
	CO5	✓	✓	✓		✓	✓	✓	✓	✓		✓	✓	✓	✓	✓
	CO6	✓	✓	✓		✓	✓	✓	✓	✓		✓	✓	✓	✓	✓
	CO7	✓		✓								✓	✓	✓	✓	✓
	CO8	✓			✓	✓	✓	✓				✓	✓	✓	✓	✓
	CO9	✓			✓	✓	✓	✓								

Name of the Course	Course Outcomes	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2	PO1 3	PO1 4	PO1 5
Human Biochemistry	CO1	✓									✓	✓	✓			
	CO2	✓			✓	✓	✓	✓	✓	✓						
	CO3	✓	✓		✓	✓		✓	✓	✓		✓	✓			
	CO4	✓	✓	✓	✓	✓		✓	✓	✓		✓	✓	✓	✓	
	CO5	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓
	CO6	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓
	CO7	✓		✓	✓	✓						✓	✓	✓	✓	✓
	CO8	✓			✓	✓	✓	✓				✓	✓	✓	✓	✓
	CO9	✓			✓	✓	✓	✓								
	CO10		✓	✓	✓		✓	✓	✓	✓	✓	✓	✓		✓	✓
	CO11						✓	✓	✓	✓	✓	✓	✓		✓	✓

Name of the Course	Course Outcomes	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2	PO1 3	PO1 4	PO1 5
Human Physiology	CO1	✓									✓	✓	✓			
	CO2	✓			✓	✓	✓	✓	✓	✓						
	CO3	✓	✓		✓	✓		✓	✓	✓		✓	✓			
	CO4	✓	✓	✓	✓	✓		✓	✓	✓		✓	✓	✓	✓	
	CO5	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓
	CO6	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓
	CO7	✓		✓	✓	✓						✓	✓	✓	✓	✓
	CO8	✓			✓	✓	✓	✓				✓	✓	✓	✓	✓
	CO9	✓			✓	✓	✓	✓								
	CO10		✓	✓	✓		✓	✓	✓	✓	✓	✓	✓		✓	✓
	CO11						✓	✓	✓	✓	✓	✓	✓		✓	✓

Name of the Course	Course Outcomes	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2	PO1 3	PO1 4	PO1 5	
Dental anatomy, embryology and oral histology	CO1	✓									✓	✓	✓				
	CO2	✓			✓	✓	✓	✓	✓	✓							
	CO3	✓	✓		✓	✓		✓	✓	✓		✓	✓				
	CO4							✓									
	CO5						✓	✓								✓	
	CO6						✓	✓								✓	
	CO7															✓	
	CO8	✓			✓	✓	✓	✓				✓	✓	✓	✓	✓	✓
	CO9	✓			✓	✓	✓	✓									

BDS 2nd Year

Name of the Course	Course Outcomes	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2	PO1 3	PO1 4	PO1 5	
General and dental & pharmacology therapeutics	CO1	✓		✓	✓	✓					✓	✓	✓				
	CO2	✓		✓	✓	✓	✓	✓	✓	✓							
	CO3	✓	✓	✓	✓	✓	✓	✓	✓	✓							
	CO4	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓		
	CO5	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	CO6	✓	✓				✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	CO7	✓		✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	
	CO8	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	CO9	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
	CO10			✓	✓	✓											
	CO10							✓	✓	✓	✓	✓	✓	✓			

Name of the Course	Course Outcomes	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2	PO1 3	PO1 4	PO1 5
General Pathology	CO1	✓		✓	✓	✓					✓	✓	✓			
	CO2	✓		✓	✓	✓	✓	✓	✓	✓						
	CO3	✓	✓	✓	✓	✓	✓	✓	✓	✓						
	CO4	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	
	CO5	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	CO6	✓	✓				✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	CO7	✓		✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓

Name of the Course	Course Outcomes	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2	PO1 3	PO1 4	PO1 5
MICROBIOLOGY	CO1	✓		✓	✓	✓					✓	✓	✓			
	CO2	✓		✓	✓	✓	✓	✓	✓	✓		✓	✓	✓		
	CO3	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	
	CO4	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	
	CO5	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓
	CO6	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	CO7		✓	✓	✓		✓			✓	✓	✓	✓	✓		✓
	CO8	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	CO9	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	CO10	✓	✓		✓	✓	✓	✓	✓			✓	✓	✓	✓	

Name of the Course	Course Outcomes	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2	PO1 3	PO1 4	PO1 5
Dental materials	CO1	✓		✓	✓	✓					✓	✓	✓			
	CO2	✓		✓	✓	✓	✓	✓	✓	✓		✓	✓	✓		
	CO3	✓	✓	✓						✓		✓	✓	✓	✓	
	CO4	✓	✓	✓						✓		✓	✓	✓	✓	
	CO5	✓	✓	✓						✓	✓	✓		✓	✓	✓
	CO6	✓	✓	✓						✓	✓	✓	✓	✓	✓	✓
	CO7	✓	✓	✓	✓	✓	✓						✓	✓		✓
	CO8		✓	✓	✓	✓	✓						✓		✓	✓
	CO9	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	CO10	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	

BDS 3rd Year

Name of the Course	Course Outcomes	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2	PO1 3	PO1 4	PO1 5
General medicine	CO1	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
	CO2	✓		✓	✓	✓		✓		✓	✓		✓	✓	✓	✓
	CO3		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	CO4	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓
	CO5	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓		✓	✓	✓
	CO6	✓	✓				✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Name of the Course	Course Outcomes	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2	PO1 3	PO1 4	PO1 5
General Surgery	CO1	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
	CO2	✓		✓	✓	✓	✓	✓		✓	✓		✓	✓	✓	✓
	CO3	✓	✓	✓	✓		✓	✓	✓	✓		✓	✓	✓	✓	✓
	CO4	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓
	CO5	✓	✓		✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓

Name of the Course	Course Outcomes	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2	PO1 3	PO1 4	PO1 5
Oral Pathology & Microbiology	CO1	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
	CO2	✓		✓	✓	✓	✓	✓	✓		✓	✓		✓	✓	✓
	CO3	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓
	CO4		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓
	CO5	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓
	CO6	✓	✓				✓	✓	✓	✓	✓	✓		✓	✓	✓

BDS 4th Year

Name of the Course	Course Outcomes	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2	PO1 3	PO1 4	PO1 5
Oral Medicine and Radiology	CO1		✓	✓	✓		✓	✓	✓	✓		✓	✓	✓	✓	✓
	CO2	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓		✓	✓
	CO3	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓

Name of the Course	Course Outcomes	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2	PO1 3	PO1 4	PO1 5
Orthodontics & dental orthopedics	CO1	✓		✓	✓	✓	✓	✓		✓	✓	✓	✓		✓	✓
	CO2	✓	✓	✓	✓		✓	✓	✓	✓	✓		✓	✓	✓	✓

Name of the Course	Course Outcomes	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2	PO1 3	PO1 4	PO1 5
Pediatric & preventive dentistry	CO1	✓		✓	✓	✓	✓	✓		✓	✓	✓	✓	✓		✓
	CO2	✓	✓	✓	✓		✓	✓	✓	✓		✓	✓	✓	✓	✓
	CO3	✓	✓		✓	✓	✓	✓		✓	✓	✓		✓	✓	✓

Name of the Course	Course Outcomes	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2	PO1 3	PO1 4	PO1 5
Prosthodontics and crown & bridge	CO1	✓		✓		✓	✓		✓	✓		✓	✓		✓	✓
	CO2		✓	✓	✓		✓	✓		✓	✓		✓	✓	✓	✓
	CO3	✓		✓	✓	✓		✓	✓		✓	✓	✓	✓	✓	
	CO4		✓		✓		✓			✓	✓	✓		✓		✓
	CO5	✓	✓	✓		✓	✓	✓	✓	✓		✓	✓	✓	✓	✓

Name of the Course	Course Outcomes	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2	PO1 3	PO1 4	PO1 5
Public health dentistry	CO1	✓	✓	✓	✓		✓	✓		✓	✓				✓	✓
	CO2	✓		✓	✓	✓	✓		✓	✓		✓	✓	✓	✓	
	CO3	✓	✓		✓		✓	✓	✓		✓		✓		✓	✓
	CO4		✓		✓	✓		✓	✓	✓		✓		✓	✓	✓
	CO5	✓	✓	✓		✓	✓		✓	✓	✓	✓	✓			
	CO6		✓	✓	✓		✓	✓	✓		✓			✓	✓	
	CO7	✓		✓	✓	✓		✓	✓	✓		✓	✓	✓		✓
	CO8	✓	✓	✓		✓	✓		✓	✓	✓	✓	✓	✓		✓

Name of the Course	Course Outcomes	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2	PO1 3	PO1 4	PO1 5
Conservative Dentistry and Endodontics	CO1	✓	✓	✓		✓	✓	✓		✓	✓		✓		✓	✓
	CO2		✓	✓	✓		✓	✓	✓		✓	✓	✓	✓	✓	✓
	CO3	✓	✓		✓	✓	✓		✓	✓		✓	✓	✓		✓
	CO4	✓		✓		✓		✓	✓	✓	✓	✓	✓	✓	✓	
	CO5	✓	✓	✓	✓		✓	✓		✓	✓	✓	✓	✓		✓
	CO6	✓	✓	✓	✓	✓	✓	✓	✓						✓	✓
	CO7		✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
	CO8	✓	✓	✓	✓		✓			✓	✓	✓	✓	✓	✓	
	CO9	✓	✓	✓		✓	✓	✓	✓			✓	✓	✓	✓	✓
	CO10	✓	✓		✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓

Name of the Course	Course Outcomes	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2	PO1 3	PO1 4	PO1 5
Forensic odontology	CO1	✓		✓	✓		✓	✓		✓	✓		✓	✓	✓	✓
	CO2	✓		✓		✓	✓	✓	✓		✓	✓		✓	✓	✓
	CO3			✓	✓	✓	✓		✓	✓	✓	✓	✓		✓	
	CO4	✓	✓		✓			✓	✓	✓	✓		✓	✓		✓
	CO5	✓	✓	✓		✓		✓	✓	✓		✓	✓		✓	✓

Name of the Course	Course Outcomes	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2	PO1 3	PO1 4	PO1 5
Ethics	CO1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	CO2	✓	✓	✓				✓	✓						✓	✓
	CO3	✓	✓	✓												
	CO4	✓	✓	✓												
	CO5	✓	✓	✓	✓											

Name of the Course	Course Outcomes	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2	PO1 3	PO1 4	PO1 5
Oral and maxillofacial surgery	CO1	✓		✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓
	CO2	✓	✓	✓		✓	✓	✓	✓	✓	✓		✓	✓	✓	
	CO3	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓		✓
	CO4		✓	✓	✓	✓		✓	✓	✓		✓		✓	✓	✓
	CO5	✓	✓		✓	✓	✓	✓	✓		✓	✓	✓		✓	✓
	CO6	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓		✓
	CO7	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓
	CO8	✓	✓		✓	✓		✓	✓	✓	✓	✓		✓	✓	

Name of the Course	Course Outcomes	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2	PO1 3	PO1 4	PO1 5
Periodontology	CO1	✓	✓	✓		✓	✓		✓	✓	✓	✓	✓		✓	✓
	CO2	✓		✓	✓	✓	✓	✓		✓	✓		✓	✓		✓
	CO3	✓	✓	✓	✓		✓	✓	✓		✓	✓	✓	✓	✓	
	CO4	✓		✓	✓	✓		✓	✓			✓	✓		✓	✓