



PMS COLLEGE
OF
DENTAL SCIENCE & RESEARCH

DEPT. OF PROSTHODONTICS

COURSE OUTCOMES FOR PROSTHODONTICS AND CROWN & BRIDGE COURSE IN BDS
PROGRAM

- ❖ CO1: Be able to understand and use various dental materials.
- ❖ CO2: To properly diagnose various conditions and formulate a treatment plan.
- ❖ CO3: Be competent to carry out treatment of conventional simple complete and partial removable dentures and anterior crowns.
- ❖ CO4: Competent to properly educate and motivate the patient and give proper post treatment instructions.
- ❖ CO5: Be able to carry out Prosthodontic laboratory procedures.
- ❖ CO6: Be familiar with the concepts of osseointegration and the value of implant supported Prosthodontic procedures.
- ❖ CO7: Be able to diagnose and appropriately refer patients requiring complex treatment procedures to the specialist.
- ❖ CO8: Should be able to practice infection control during clinical procedures.
- ❖ CO9: Display appropriate empathy and a caring attitude and maintain high ethical standards.




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DEPT.OF PROSTHODONTICS

COURSE OUTCOMES FOR PRE-CLINICAL PROSTHODONTICS COURSE IN BDS PROGRAM

- ❖ CO1: Impression and model preparation
- ❖ CO2: Preparation of special trays in shellac base plates – trimmed margin. Maxillary & Mandibular
- ❖ CO3: Special tray in self-cured acrylic resin. Maxillary & Mandibular
- ❖ CO4: Preparation of heat cured acrylic permanent bases. Maxillary & Mandibular
- ❖ CO5: Preparation of Self cured acrylic temporary bases Maxillary & Mandibular
- ❖ CO6: Preparation of occlusion rims
- ❖ CO7: Articulating the model in Mean value articulator
- ❖ CO8: Teeth arrangement in Mean value articulator (Class I) - 5 Numbers
- ❖ CO9: Processing trial denture in heat cured acrylic- 2
- ❖ CO10: Repair of fractured Denture
- ❖ CO11: Fabrication of heat cured acrylic Partial Dentures – (Kennedy class I, class II, class III & class IV)
- ❖ CO12: Drawing the Design for a Cast Partial Denture and marking its components.




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DEPT. OF PROSTHODONTICS

COURSE OUTCOMES FOR DENTAL MATERIALS COURSE IN BDS PROGRAM

- ❖ CO1: To understand the evolution and development of science of dental materials.
- ❖ CO2: Be able to understand and use various dental materials.
- ❖ CO3: Impart knowledge of physical and chemical properties and advantages and disadvantages of various materials used in dentistry.
- ❖ CO4: Acquire knowledge of biomechanical requirements of particular dental material and its application & limitations.
- ❖ CO5: Laying down standards or specifications of various materials to guide manufacturers as well as to help professionals.
- ❖ CO6: Search for newer and better materials which may answer our requirements with greater satisfaction.
- ❖ CO7: To understand and evaluate the claims made by manufactures of dental materials.
- ❖ CO8: To have the knowledge about the composition, properties, manipulative techniques and their various commercial names.
- ❖ CO9: To acquire skills to select and use the materials appropriately for laboratory and clinical use




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COURSE OUTCOMES FOR PERIODONTOLOGY COURSE IN BDS PROGRAM

- CO1: to explain the periodontal structures, different periodontal diseases, etiopathogenesis, risk factors and different treatment strategies for periodontal disease
- CO2: To explain the interdisciplinary periodontics and basics of implant dentistry
- CO3: To perform complete supragingival and subgingival scaling using hand or ultrasonic instruments
- CO4: To properly diagnose various periodontal conditions and formulate treatment plan
- CO5: Competent to properly educate and motivate the patient and give proper post treatment instructions
- CO6: The student shall develop attitude to conserve the tooth to the maximum possible time by maintaining periodontal health and by prevention of periodontal diseases and its progression.
- CO7: Should be able to practice infection control during clinical procedures
- CO8: To correctly identify patients who require specialist's care.
- CO9: Display appropriate empathy and a caring attitude and maintain high ethical standards




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COURSE OUTCOME DEPARTMENT OF ORAL AND MAXILLOFACIAL SURGERY

At the end of the course, students will be able to:

- CO1: Apply the knowledge gained in the preclinical subjects and related medical subjects like general surgery and general medicine in the management of patients with oral surgical problem.
- CO2. Diagnose, manage and treat patients with oral surgical problems
- CO3. Decide the requirement of a patient to have oral surgical specialist opinion or treatment.
- CO4: Able to understand the principles of in-patient management.
- CO5: To perform minor extraction procedure and to perform appropriate local anaesthesia techniques.
- CO6. Understand the principles of emergency management of maxillofacial injuries, BLS measures and the medico legal responsibilities and formalities.
- CO7: Understand management of major oral surgical procedures and principles involved in patient management.
- CO8: Decide the need for medical/ surgical consultations and the method of doing so.
- CO9: To do ethical professional practice.
- CO10: To decide on patients with the common systemic and local diseases, drugs used and drug interactions and to apply the knowledge for primary management of medical emergencies in dental chair.
- CO11. Death Certification & legal aspects of forensic medicine.




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DEPARTMENT OF PEDIATRIC AND PREVENTIVE DENTISTRY

Course outcomes for Pediatric Dentistry course

- CO1: to explain the normal development of maxilla and mandible, development of dentition, psychological and behavioural development of children from birth through adolescence and those with special healthcare needs
- CO2: To identify, manage any pathology and also should be familiar with prevention dental diseases
- CO3: To be able to counsel parents on importance of proper feeding techniques, cleaning of gum pads, teething and brushing techniques.
- CO4: To perform preventive procedures like fluoride application, pit and fissure sealants, oral hygiene instructions; prevention of deleterious habits, malocclusion and dental trauma and also able to provide diet counselling if required
- CO5: To properly diagnose various dental diseases seen in children
- CO6: Should be able to take dental radiographs and interpret to diagnose and treatment planning
- CO7: Competent to properly educate and motivate the patient and the parent and also give proper post treatment instructions
- CO8: The student shall learn various behaviour guidance techniques so that he can manage the child effectively and efficiently.




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DEPARTMENT OF PEDIATRIC AND PREVENTIVE DENTISTRY

- CO9: Should be able to perform restorative treatments like Preventive resin restoration, GIC, amalgam, composite restorations, indirect and direct pulp capping including Alternative restorative therapy
- CO10: Should be able to perform dental extraction, fabricate removable space maintainers and various habit breaking appliances
- CO11: to diagnose, management of various traumatic dental injuries in children
- CO12: Be able to identify child abuse victims and report to authorities • CO13: Should be able to practice infection control during clinical procedures • CO14: To correctly identify patients who require specialist's care.
- CO15: Display appropriate empathy and a caring attitude and maintain high ethical standards



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DEPARTMENT OF GENERAL PATHOLOGY

COURSE OUTCOMES FOR GENERAL PATHOLOGY COURSE IN BDS PROGRAM

Department of General Pathology aim to introduce the students to the basic concepts of Pathology. The objectives of teaching pathology can be achieved by various teaching techniques such as:

- Lectures
 - Lecture Demonstrations
 - Practical exercises
 - Audio visual aids
 - Small group discussions with regular feedback from the students to be arranged.
-
- ◆ **CO1:** To enable the students to apply the scientific study of disease processes, which result in morphological and functional alteration in cells, tissues and organs to the study of pathology and practice of dentistry.
 - ◆ **CO2:** To enable the students to demonstrate and analyse pathological changes macroscopically explain their observations in terms of disease process
 - ◆ **CO3:** To Apply the knowledge gained in related medical subjects like General Medicine and General Surgery and Dental subjects like Oral Pathology, Public Health Dentistry, Periodontics, Oral Surgery, Pedodontics, Conservative Dentistry and Oral medicine in higher classes.
 - ◆ **CO4:** To integrate knowledge from 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 lecture, laboratory and tutorial classes.



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- ◆ **CO7:** To have a sound understanding the pathology of common lesions in the oral cavity.
- ◆ **CO8:** Enabling students to acquire understanding of fundamentals of Pathology and its application in understanding the of different disease process.
- ◆ **CO9:** To develop practical skills which include identification of gross and microscopic features of common lesions, demonstration of clinical pathology and instruments.



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DEPARTMENT OF ANATOMY

COURSE OUTCOME (CO):

CO 1: To know the normal position of structures in the human body for clinical examination and clinical procedures in patients.

CO 2: To know the anatomical basis of disease and injury.

CO 3: To perform provisional diagnosis with the help of anatomical knowledge and do further investigation related to anatomical structures for final diagnosis

CO 4: To know the microscopic structure of the various tissues, a pre requisite for understanding the pathology and pathophysiology of disease

CO5: To have an idea about the basis of abnormal development, effects of teratogens, congenital and genetic diseases.

CO 6: To know the sectional anatomy to read the radiographs and pictures taken by modern imaging techniques.




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COURSE OUTCOME

(ORAL PATHOLOGY & ORAL MICROBIOLOGY: THIRD YEAR BDS)

- C01:** To understand the different types of developmental anomalies and pathological processes that involves the Oro-facial tissues.
- C02:** To identify teeth anomalies/polymorphisms through tooth specimens & plaster casts.
- C03:** To know the manifestations of common oral diseases, their diagnosis & correlation with clinical pathological processes
- C04:** To identify microscopic & macroscopic features of common oral lesions through microscopic slides & projection slides and from surgical/ gross specimens
- C05:** To understand the oral manifestations of systemic diseases and correlate with the systemic physical signs & laboratory findings.
- C06:** To identify common blood disorders like anaemia from haematological preparations (blood films)
- C07:** To understand the principles of basic aspects of Forensic Odontology and, to demonstrate skill in basic exercises of Forensic Odontology such as histological methods of age estimation from ground sections of tooth




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DEPARTMENT OF ORAL PATHOLOGY & MICROBIOLOGY

COURSE OUTCOME

(DENTAL ANATOMY, EMBRYOLOGY AND ORAL HISTOLOGY: FIRST YEAR BDS)

CO1:To acquire adequate knowledge of the normal development, morphology, & functions of teeth and oral soft tissues.

CO2:To acquire basic skill in Carving of crown and root of permanent teeth in wax blocks.

CO3:To accurately identify Deciduous & Permanent teeth using FDI/Palmer tooth notations

CO4:to understand the histology of dental and oral tissues and physiologic ageing process in the dental tissues.

CO5:To correctly identify the oral tissues from their Microscopic appearance through slides

CO6: To estimate age based on patterns of tooth eruption from plaster casts of different age groups.




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DEPARTMENT OF PHYSIOLOGY

Course outcomes for BDS program

CO1: To explain about normal functions of the organ systems of the body to facilitate an understanding of the physiological basis of health and their interactions for well-co-ordinated total body function

CO2: To explain all the organ systems (haematology, digestive system, respiratory system, CNS and endocrinology etc) and its regulatory mechanisms.

CO3: To explain physiological principles and diagnose the conditions underlying the pathogenesis and treatment of disease.

CO4: Should able to distinguish between normal and abnormal data derived as a result of tests which he/she has performed and observed in the laboratory.

CO5: Should able to perform general and clinical examinations by taking medical history prior to treatment.




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NAAC Accredited Dental College

Department of Pharmacology

COURSE OUTCOME FOR PHARMACOLOGY

A dental graduate should have adequate knowledge, necessary skills and such attitudes which are required for carrying out all the activities appropriate to general dental practice involving the prevention, diagnosis and treatment of anomalies and diseases of the teeth, mouth, jaws and associated tissues. Department of pharmacology aim to introduce the therapeutic aspects in dentistry , integrate multiple disciplines into an individual comprehensive sequenced treatment plan using diagnostic and prognostic information .

Course outcomes

CO:1 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, 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:Management of pain including post operative. Knowledge about administration of all forms of local anesthesia

CO6:Recognition and initial management of medical emergencies that may occur during Dental treatment

CO7: Prescription of drugs, for pre operative, prophylactic and therapeutic requirements

CO8: Management of oro-dental infections

CO9:..Recognise and report adverse drug reaction to suitable authorities

CO10:..Critically evaluate drug formulations and be able to interpret the clinical pharmacology of marketed preparations commonly used in dentistry



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Department of Oral Medicine and Radiology

Course outcome [as per KUHS guidelines]

- CO1. At the completion of the course the student shall have knowledge to diagnose oral diseases
- CO2. Student should have knowledge of different types of investigations
- CO3. Knowledge of commonly used drugs
- CO4. Knowledge to formulate a treatment plan
- CO5. Student should have knowledge of oral manifestations of systemic diseases
- CO6. Student should be trained in medical evaluation to identify the medical status of patients.
- CO6. Student should have knowledge of basic radiology, techniques
- CO7. Students be trained for radiographic interpretation
- CO8. Awareness on radiation hazards and radiation protection
- CO8. Observation and assisting routine biopsy procedures.
- CO9. At the conclusion of the course student shall acquire skill in diagnosing diseases, skill in instituting various investigations, skill in taking radiographs, skill to establish an effective communication with the patient.
- CO10. At the conclusion of the course the student should have an attitude to educate the patients on diseases and treatment process
- CO11. Student given orientation on specialized imaging techniques like OPG, Cephalogram and CBCT




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DEPARTMENT OF PUBLIC HEALTH DENTISTRY

Course Outcomes (CO)

CO1: Elicit case history, perform Clinical Examination to arrive at a diagnosis using appropriate diagnostic aids and provide **Comprehensive Oral health care** to the patients with strict adherence to the Infection control protocol.

CO2: Identify Community health/ oral health problems using the knowledge of Epidemiology and indices to arrive at **Community Diagnosis** and communicate the findings to the community through Health education and health promotion.

CO3: Sensitize to plan, implement and evaluate appropriate **Community Oral Health Programs** for Promotion of Oral Health and Prevention of Oral disease at the individual level and at Community level for various oral disease including dental caries ,periodontal disease, malocclusion and oral cancer..

CO4: Develop Health Education aids and impart **Health Education** using appropriate methods to various target groups.

CO5: Identify **health systems and health policies** for delivery of health care services in India and advocate the need for Oral health policy.

CO6: Sensitize the students towards the various **Payment plans** and public health/ oral health programs in place for availing health/oral health services.

CO7: Adopt practices to prevent **Occupational hazards** associated with the practice of dentistry

CO8: Sensitize the **Medico legal** issues, to adopt and apply moral standards in the practice of dentistry

CO9: Adopt and apply ethical and Moral Standards while carrying out **Epidemiological Researches**.

CO10: Sensitize and develop the students to train future dental surgeons in the basics of Palliative Medicine (KUHS, 2016)



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DEPARTMENT OF MICROBIOLOGY

COURSE OUTCOMES FOR MICROBIOLOGY COURSE IN BDS PROGRAM

Department of Microbiology aim to introduce the students to the exciting world of microbes. The objectives of teaching microbiology can be achieved by various teaching techniques such as.

Lectures

Lecture Demonstrations

Practical exercises

Audio visual aids

Small group discussions with regular feedback from the students to be arranged.

- ◆ **CO1** : To make the students aware of various branches of microbiology and the role of microbes in human diseases.
- ◆ **CO2** : To Understand the basics of various branches of microbiology and able to apply the knowledge relevantly.
- ◆ **CO3** : To Apply the knowledge gained in related medical subjects like General Medicine and General Surgery and Dental subjects like Oral Pathology, Public Health Dentistry, Periodontics, Oral Surgery, Pedodontics, Conservative Dentistry and Oral medicine in higher classes.
- ◆ **CO4** : To understand and practice various methods of Sterilisation and disinfection in dental clinics.
- ◆ **CO5** : To have a sound understanding of various infectious diseases and lesions in the oral cavity.
- ◆ **CO6** : To develop skill to diagnose, differentiate various oral lesions.




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- ◆ **CO7** : To develop the ability to select, collect and transport clinical specimens to the laboratory.
- ◆ **CO8** :To attain the ability to carry out proper aseptic procedures in the dental clinic.
- ◆ **CO9**: Enabling students to acquire understanding of fundamentals of Microbiology and Identification of various microorganisms
- ◆ **CO10** : To develop practical skills in morphological forms, sterilization methods , culture media , staining techniques and preparation, identification of different microbiological slides.




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DEPT. OF CONSERVATIVE DENTISTRY AND ENDODONTICS

COURSE OUTCOMES FOR PRE-CLINICAL OPERATIVE DENTISTRY COURSE IN BDS PROGRAM

- ❖ CO1: Impression and model preparation
- ❖ CO2: cavity preparation in typhodonts
- ❖ CO3: cavity preparation on extracted tooth specimens.
- ❖ CO4: manipulation of silver amalgam
- ❖ CO5: manipulation of dental cements.
- ❖ CO6: tooth carving on wax blocks
- ❖ CO7: manipulation of rubber based impression materials
- ❖ CO8: manipulation of non elastomeric impression materials.
- ❖ CO9: impression techniques
- ❖ CO10: Repair fractured restorations.
- ❖ CO11: tooth coloured restoration on typhodonts
- ❖ CO12: finishing and polishing of restorations..




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DEPT. OF CONSERVATIVE DENTISTRY AND ENDODONTICS

COURSE OUTCOMES FOR DENTAL MATERIALS COURSE IN BDS PROGRAM

- ❖ CO1: To understand the evolution and development of science of dental materials.
- ❖ CO2: Be able to understand and use various dental materials.
- ❖ CO3: impart knowledge of physical and chemical properties and advantages and disadvantages of various materials used in dentistry.
- ❖ CO4: Acquire knowledge of biomechanical requirements of particular dental material and its application & limitations.
- ❖ CO5: Laying down standards or specifications of various materials to guide manufacturers as well as to help professionals.
- ❖ CO6: Search for newer and better materials which may answer our requirements with greater satisfaction.
- ❖ CO7: To understand and evaluate the claims made by manufactures of dental materials.
- ❖ CO8: To have the knowledge about the composition, properties, manipulative techniques and their various commercial names.
- ❖ CO9: To acquire skills to select and use the materials appropriately for laboratory and clinical use



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DEPT. OF CONSERVATIVE DENTISTRY AND ENDODONTICS

COURSE OUTCOMES FOR CONSERVATIVE DENTISTRY AND
ENDODONTICS

COURSE IN BDS PROGRAM

- ❖ CO1: Be able to understand and use various dental materials.
- ❖ CO2: To properly diagnose various conditions and formulate a treatment plan
- ❖ CO3: Be competent to carry out treatment of conventional restorations
- ❖ CO4: Competent to properly educate and motivate the patient and give proper post treatment instructions
- ❖ CO5: Be able to carry out laboratory procedures.
- ❖ CO6: Be familiar with the concepts of endodontics and surgical endodontics.
- ❖ CO7: Be able to diagnose and appropriately refer patients requiring complex treatment procedures to the specialist
- ❖ CO8: Should be able to practice infection control during clinical procedures
- ❖ CO9: Display appropriate empathy and a caring attitude and maintain high ethical standards



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Department of Biochemistry

Course outcome

- CO 1. To know the functional groups, hydrophobic and hydrophilic moieties and weak valence forces that organize macromolecules.
- CO 2. To know the metabolic processes emphasizing on the overall change, interdependence and molecular turnover.
- CO 3. To know the metabolic regulations with the help of hormonal action, second messengers and regulation of enzyme activities.
- CO 4. To know about the biochemical genetics and molecular biology.
- CO 5. To know about the vitamins, antimetabolites, enzymes and enzyme inhibitors at this stage which will provide a basis for the future study of medical subjects.
- CO 6. To know important organ function tests




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ORTHODONTICS & DENTOFACIAL ORTHOPAEDICS

COURSE OUTCOMES

At the end of the course, students will be able to...

CO1: Explain the process of normal growth and development of dentition and associated craniofacial structures

CO2: Differentiate the abnormality /aberration in the growth process in dental, skeletal and soft tissues of the craniofacial region and discuss their clinical Implications.

CO3: Define Orthodontics and describe the development, etiology and progress of different types of malocclusions

CO4: Diagnose the features and classify malocclusion through clinical examination and the use of appropriate diagnostic aids

CO5: Explain different types of tooth movement, biological reactions involved and the Bio-mechanical principles of tooth movement

CO6: Discuss the various materials and their uses in the fabrication of Orthodontic appliances.

CO7: Describe the aims and objectives of Orthodontic treatment and design the treatment for various types of malocclusions including preventive, Interceptive and corrective procedures.

CO8: Identify and explain the concepts of growth modulation and appliances for correction of developing malocclusion

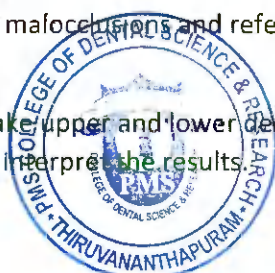
CO9: Describe the principles of Surgical Orthodontics, Interdisciplinary Orthodontics.

CO10: Recognise and recall the parameters involved in the treatment of adult orthodontic patients.

CO11: Discuss the principles & guidelines for preventing the relapse of Orthodontic treatment and fabricate retention appliances

CO12: Recognize the complexity of malocclusions and refer such cases to a specialist for higher level of care.

CO13: Demonstrate the skills to make upper and lower dental arch impressions, prepare the study casts, perform model analyses and interpret the results.



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CO14: Demonstrate the skills to interpret the radiographic findings based on the appropriate analytical approach

CO15: Design, fabricate and clinically manage different types of removable appliances for minor malocclusions.

CO16: Demonstrate effective communication skills for interactions with patients as well as professional peers

CO17: Recognize the apprehension and psychological status of the patient/parents having Orthodontic problems

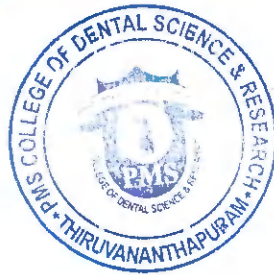
CO18: Instill positive attitude and behavior in patients and parents regarding the need for Orthodontic intervention

CO19: Employ cross-infection control measures in clinical practice.

CO20: Practice the principles of Bio ethics, Medico legal aspects, public awareness and community health services.

CO21: Demonstrate the application of recent advances in biomaterials, techniques and Technology

CO22: Demonstrate the ability to acquire new knowledge/skills and upgrade existing knowledge/skills




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DEPT. OF PERIODONTICS

LEARNING OUTCOMES

PROGRAM OUTCOMES FOR BDS PROGRAM

PO1: 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 analyse scientifically various established facts and data.

PO2: 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 wellbeing of the patient.

PO3: 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.

PO4: Adequate knowledge of the constitution, biological function and behaviour of persons in health and sickness as well as the influence of the natural and social environment on the state of health as far as it affects dentistry.

PO5: 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.

PO6: Acquire the skill to prevent and manage complications encountered while carrying out various surgical and other procedures.

PO7: Possess skill to carry out certain investigative procedures and ability to interpret laboratory findings.




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PO8: Promote oral health and help prevent oral diseases where possible.

PO9: Competent in the control of pain and anxiety among the patients during dental treatment

PO10: Willing to apply the current knowledge of dentistry in the best interest of the patients and the community and maintain a high standard of professional ethics and conduct and apply these in all aspects of professional life.

PO11: Seek to improve awareness and provide possible solutions for oral health problems and needs throughout the community and Willingness to participate in the CPED programmes to update the knowledge and professional skill from time to time



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DEPT. OF ORAL MEDICINE AND RADIOLOGY

LEARNING OUTCOMES

PROGRAM OUTCOMES FOR BDS PROGRAM

- ❖ PO1: 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.
- ❖ PO2: 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 wellbeing of the patient.
- ❖ PO3: 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.
- ❖ PO4: 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.
- ❖ PO5: 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.
- ❖ PO6: Acquire the skill to prevent and manage complications if encountered while carrying out various surgical and other procedures.
- ❖ PO7: Possess skill to carry out certain investigative procedures and ability to interpret laboratory findings.
- ❖ PO8: Promote oral health and help prevent oral diseases where possible.




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- ❖ PO9: Competent in the control of pain and anxiety among the patients during dental treatment
- ❖ PO10: Willing to apply the current knowledge of dentistry in the best interest of the patients and the community and maintain a high standard of professional ethics and conduct and apply these in all aspects of professional life.
- ❖ PO11: Seek to improve awareness and provide possible solutions for oral health problems and needs throughout the community and Willingness to participate in the CPED Programmes to update the knowledge and professional skill from time to time




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Department of Pharmacology

Learning outcome

PROGRAM OUTCOMES FOR BDS PROGRAM

- ❖ PO1: 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.
- ❖ PO2: 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 wellbeing of the patient.
- ❖ PO3: 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
- ❖ PO4: 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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- ❖ PO7: Possess skill to carry out certain investigative procedures and ability to interpret laboratory findings.
- ❖ PO8: Promote oral health and help prevent oral diseases where possible.
- ❖ PO9: Competent in the control of pain and anxiety among the patients during dental treatment
- ❖ PO10: Willing to apply the current knowledge of dentistry in the best interest of the patients and the community and maintain a high standard of professional ethics and conduct and apply these in all aspects of professional life.
- ❖ PO11: Seek to improve awareness and provide possible solutions for oral health problems and needs throughout the community and Willingness to participate in the CPD Programmes to update the knowledge and professional skill from time to time



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PMS COLLEGE OF DENTAL SCIENCE & RESEARCH

DEPT. OF ORAL & MAXILLOFACIAL SURGERY

PROGRAM OUTCOMES FOR BDS PROGRAM

PO1: 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 analyse scientifically various established facts and data.

PO2: 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 wellbeing of the patient.

PO3: 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.

PO4: Adequate knowledge of the constitution, biological function and behaviour 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.

PO5: 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.

PO6: Acquire the skill to prevent and manage complications if encountered while carrying out various surgical and other procedures.

PO7: Possess skill to carry out certain investigative procedures and ability to interpret laboratory findings.

PO8: Promote oral health and help prevent oral diseases where possible.




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PO9: Competent in the control of pain and anxiety among the patients during dental treatment

PO10: Willing to apply the current knowledge of dentistry in the best interest of the patients and the community and maintain a high standard of professional ethics and conduct and apply these in all aspects of professional life.

PO11: Seek to improve awareness and provide possible solutions for oral health problems and needs throughout the community and Willingness to participate in the CPED Programmes to update the knowledge and professional skill from time to time




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DEPT. OF ORTHODONTICS

PROGRAM OUTCOMES FOR BDS PROGRAM

PO1: 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 analyse scientifically various established facts and data.

PO2: 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 wellbeing of the patient.

PO3: 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.

PO4: Adequate knowledge of the constitution, biological function and behaviour 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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PO10: Willing to apply the current knowledge of dentistry in the best interest of the patients and the community and maintain a high standard of professional ethics and conduct and apply these in all aspects of professional life.

PO11: Seek to improve awareness and provide possible solutions for oral health problems and needs throughout the community and Willingness to participate in the CPED Programmes to update the knowledge and professional skill from time to time




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DEPT. OF GENERAL ANATOMY

PROGRAM OUTCOMES FOR BDS PROGRAM

PO1: 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 analyse scientifically various established facts and data.

PO2: 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 wellbeing of the patient.

PO3: 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.

PO4: Adequate knowledge of the constitution, biological function and behaviour 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.

PO5: 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.

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PO10: Willing to apply the current knowledge of dentistry in the best interest of the patients and the community and maintain a high standard of professional ethics and conduct and apply these in all aspects of professional life.

PO11: Seek to improve awareness and provide possible solutions for oral health problems and needs throughout the community and Willingness to participate in the CPED Programmes to update the knowledge and professional skill from time to time




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DEPT. OF PHYSIOLOGY

PROGRAM OUTCOMES FOR BDS PROGRAM

PO1: 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 analyse scientifically various established facts and data.

PO2: 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 wellbeing of the patient.

PO3: 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.

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PO10: Willing to apply the current knowledge of dentistry in the best interest of the patients and the community and maintain a high standard of professional ethics and conduct and apply these in all aspects of professional life.

PO11: Seek to improve awareness and provide possible solutions for oral health problems and needs throughout the community and Willingness to participate in the CPED Programmes to update the knowledge and professional skill from time to time




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DEPT. OF BIOCHEMISTRY

PROGRAM OUTCOMES FOR BDS PROGRAM

PO1: 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 analyse scientifically various established facts and data.

PO2: 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 wellbeing of the patient.

PO3: 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.

PO4: Adequate knowledge of the constitution, biological function and behaviour 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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PO10: Willing to apply the current knowledge of dentistry in the best interest of the patients and the community and maintain a high standard of professional ethics and conduct and apply these in all aspects of professional life.

PO11: Seek to improve awareness and provide possible solutions for oral health problems and needs throughout the community and Willingness to participate in the CPED Programmes to update the knowledge and professional skill from time to time




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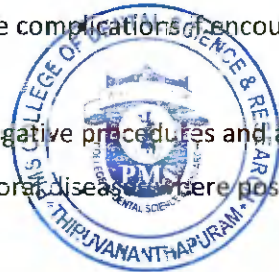
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DEPARTMENT OF ORAL PATHOLOGY AND MICROBIOLOGY

LEARNING OUTCOMES

PROGRAM OUTCOMES FOR BDS PROGRAM

- ❖ PO1: 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.
- ❖ PO2: 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 wellbeing of the patient.
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- ❖ PO9: Competent in the control of pain and anxiety among the patients during dental treatment
- ❖ PO10: Willing to apply the current knowledge of dentistry in the best interest of the patients and the community and maintain a high standard of professional ethics and conduct and apply these in all aspects of professional life.
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DEPARTMENT OF PUBLIC HEALTH DENTISTRY

PROGRAM OUTCOMES FOR BDS PROGRAM

- ❖ PO1: 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
- ❖ PO2: 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 wellbeing of the patient.
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- ❖ PO11: Seek to improve awareness and provide possible solutions for oral health problems and needs throughout the community and Willingness to participate in the CPED Programmes to update the knowledge and professional skilli from time to time




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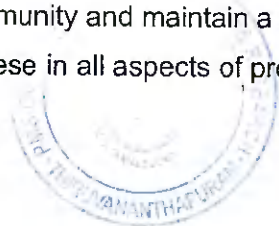


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DEPARTMENT OF PEDODONTICS

PROGRAM OUTCOMES FOR BDS PROGRAM

- ❖ PO1: 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
- ❖ PO2: 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 wellbeing of the patient.
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- ❖ PO9: Competent in the control of pain and anxiety among the patients during dental treatment
- ❖ PO10: Willing to apply the current knowledge of dentistry in the best interest of the patients and the community and maintain a high standard of professional ethics and conduct and apply these in all aspects of professional life.



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- ❖ PO11: Seek to improve awareness and provide possible solutions for oral health problems and needs throughout the community and Willingness to participate in the CPED Programmes to update the knowledge and professional skill from time to time



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PMS COLLEGE OF DENTAL SCIENCE & RESEARCH

DEPT. OF CONSERVATIVE DENTISTRY AND ENDODONTICS

PROGRAM OUTCOMES FOR BDS PROGRAM

- ❖ PO1: 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.
- ❖ PO2: 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 wellbeing of the patient.
- ❖ PO3: 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.
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- ❖ PO10: Willing to apply the current knowledge of dentistry in the best interest of the patients and the community and maintain a high standard of professional ethics and conduct and apply these in all aspects of professional life.



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- ❖ PO11: Seek to improve awareness and provide possible solutions for oral health problems and needs throughout the community and Willingness to participate in the CPED Programmes to update the knowledge and professional skill from time to time



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DEPT. OF PROSTHODONTICS

LEARNING OUTCOMES

PROGRAM OUTCOMES FOR BDS PROGRAM

- ❖ PO1: 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.
- ❖ PO2: 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 wellbeing of the patient.
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- ❖ PO9: Competent in the control of pain and anxiety among the patients during dental treatment
- ❖ PO10: Willing to apply the current knowledge of dentistry in the best interest of the patients and the community and maintain a high standard of professional ethics and conduct and apply these in all aspects of professional life.
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PMS COLLEGE OF DENTAL SCIENCE & RESEARCH

DEPARTMENT OF GENERAL PATHOLOGY

LEARNING OUTCOMES

PROGRAM OUTCOMES FOR BDS PROGRAM

- ❖ **PO1:** 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 analyse scientifically various established facts and data.
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- ❖ **PO11:** Seek to improve awareness and provide possible solutions for oral health problems and needs throughout the community and Willingness to participate in the CPED Programmes to update the knowledge and professional skill from time to time




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PMS COLLEGE OF DENTAL SCIENCE & RESEARCH

DEPARTMENT OF MICROBIOLOGY

LEARNING OUTCOMES

PROGRAM OUTCOMES FOR BDS PROGRAM

- ❖ PO1: 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 analyse scientifically various established facts and data.
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