



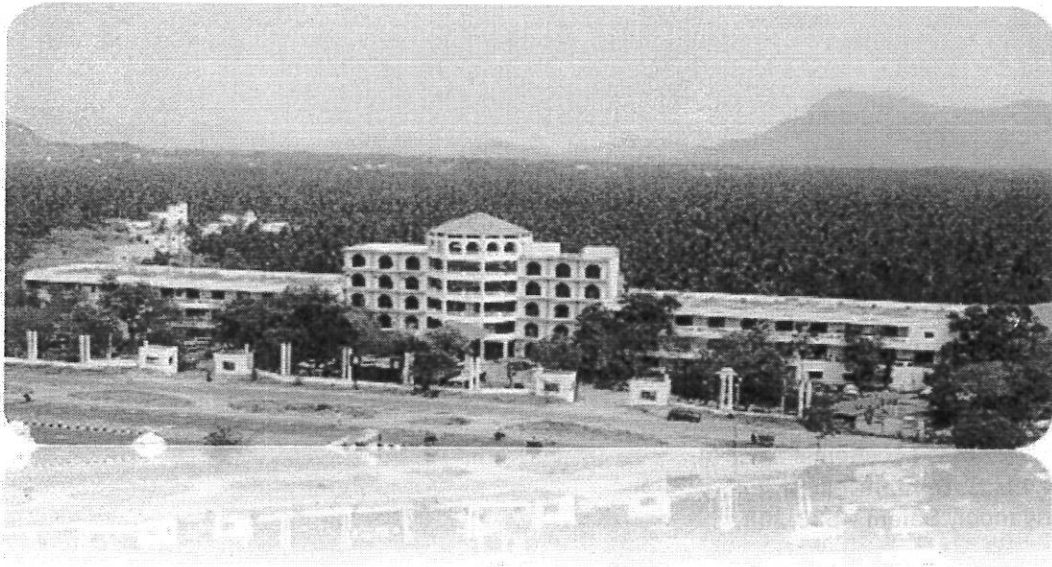
**VINAYAKA MISSION'S
RESEARCH FOUNDATION**
(Deemed to be University under section 3 of the UGC Act 1956)



**VINAYAKA MISSION'S
SANKARACHARIYAR
DENTAL COLLEGE**



Program and Course Outcomes - BDS



Vinayaka Mission's Sankarachariyar Dental College
Sankari Main Road (NH-47) Ariyanoor, Salem – 636308.
Email : dean@vmsdc.edu.in
Phone No : 0427 - 2477723

BACHELOR OF DENTAL SURGERY PROGRAM LEARNING OUTCOME



Prof. Dr. R. SARANYAN, M.D.S.,
Associate Dean (Academic Affairs),
V.M.S. Dental College,
Ariyanoor, Salem - 636 308.



DEAN
Vinayaka Mission's
Sankarachariyar Dental College,
NH-47, Sankari Main Road,
Ariyanoor (Po), Salem-636 308.
Tamilnadu, India.

PROGRAM LEARNING OUTCOME

1.DISCIPLINARY KNOWLEDGE

Demonstrate comprehensive knowledge and understanding of all the disciplines of Dentistry and apply effectively in clinical practice.

2.COMMUNICATION SKILLS

Communicate effectively in verbal and written forms and express complex information in a clear and concise manner to different groups.

3.CRITICAL THINKING , PROBLEM SOLVING AND ANALYTICAL REASONING

Apply critical thinking , problem solving skills to solve different non familiar problems and use one's learning to real life situations.

4.SCIENTIFIC REASONING AND RESEARCH RELATED SKILLS

Design / Construct a study, analyse, interpret and draw conclusion from the quantitative and qualitative data.

5.MORAL, ETHICAL AWARENESS , REFLECTIVE THINKING AND MULTICULTURAL COMPETENCY

Identify values, ethical issues, multicultural and global perspectives and apply it in day to day practice.

6.CO OPERATION , TEAMWORK AND LEADERSHIP QUALITIES

Display ability to work effectively and respectfully with diverse groups with a common cause and apply managerial skills to guide people to the right destination in a smooth and efficient manner.

7.INFORMATION AND DIGITAL LITERACY

Demonstrate ability to access, evaluate and use ICT tools for the learning situations.

8.SELF DIRECTED LEARNING AND LIFELONG LEARNING

Acquire Knowledge and Skills for self-directed learning and personal development for learning activities throughout life.

**VINAYAKA MISSION'S KIRUPANANDA VARIYAR MEDICAL COLLEGE &
HOSPITALS, SALEM.**

I – BDS COURSE OUTCOMES

SUBJECT: General Human Anatomy Including Embryology And Histology

COGNITIVE DOMAIN: (KNOWLEDGE)

At the end of the course training in Anatomy a student will be able to:

1. Understand the normal human body structures in head & neck region, brain specimens and able to identify various organs and to correlate their functions.
2. Describe the normal tissue structures carried out in microscopic anatomy.
3. Describe the development of human embryo and development of various structures in the head & neck region including its congenital abnormalities.
4. Describe the principles of Karyotyping procedure.
5. Describe anatomical basis of some common clinical procedures i.e. Intramuscular and intravenous injections and lumbar puncture.

PSYCHOMOTOR DOMAIN: (SKILLS)


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

1. Identify the organs and tissues under the microscope.
2. Demonstrate various bones of head and neck region and describe the features in detail.
3. Identify the neuroanatomy specimen and gross specimens of head & neck region and organs in the body.
4. Identify and describe the embryology charts of general embryology, systemic embryology of head and neck region.

AFFECTIVE DOMAIN: (ATTITUDE)

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

1. Communicate effectively.
2. Work as a member of a team
3. Complete and submit assignments in time
4. Follow work ethics.


Head of the Department
Dept. Of Anatomy
M.K.V. Medical College,
SALEM - 636308

**VINAYAKA MISSION'S KIRUPANADA VARIYAR MEDICAL COLLEGE &
HOSPITALS, SALEM 636308**

COURSE OUTCOMES-PHYSIOLOGY

COGNITIVE DOMINE: (KNOWLEDGE)

At the end of the course training in Physiology a student will be able to:

1. Understand the normal functioning of all the organ system and their interactions for well-coordinated total body function.
2. Assess the relative contribution of each organ system to the milieu interior.
3. Describe Physiological response and adaptations to environmental stresses.
4. List the Physiological principles underlying pathogenesis, diagnosis and treatment of diseases.

PSYCHOMOTOR DOMAIN: (SKILLS)

At the end of the course the student will be able to

1. Demonstrate experiments designed for study of Physiological phenomena- Recording Blood Pressure, Examination of arterial pulse and various haematological experiments.
2. Distinguish between normal and abnormal data derived as results of tests which he/she has performed and observed in the laboratory.

Vinayaka Missions Kirupanda Variyar Medical College and Hospitals, Salem
Department of Biochemistry
I BDS – Course learning outcome

At the end of the course training in Biochemistry, a student should be able to

1. Explain the fundamental concepts of enzyme action, inhibition and discuss the clinical utility of serum enzymes as markers of disease states. (C1,C3)
2. Enumerate the various biomolecules in the body, their significance and describe the biochemical processes involved in generation of energy in the cells, their regulation and interpret the laboratory findings for the associated disorders. (C1, C4)
3. Discuss the importance of various micronutrients in metabolic processes, homeostasis and the disorders associated with it. (C1, C3)
4. Interpret the laboratory results of analytes associated with the metabolism of heme, acid base balance, cancer and organ functions. (C1, C4)
5. Outline the stages of replication, transcription, translation and explain the role of antimetabolites/ antibiotics in molecular processes. (C1, C3)
6. Perform urine analysis to determine the normal constituents in urine. (P1)
7. Perform urine analysis to identify the abnormal constituents in urine, interpret the findings and correlate with pathological states. (P1, C4)
8. Perform the estimation of Glucose, Urea, Creatinine, Total protein and Uric acid. Interpret the findings and correlate with pathological states. (P1, C4)

**VINAYAKA MISSION'S KIRUPANANDA VARIYAR MEDICAL COLLEGE &
HOSPITALS, SALEM.**

I - BDS

COURSE OUTCOMES

SUBJECT: ENVIRONMENTAL STUDIES

- Demonstrate an integrate approach to Environmental issues with a focus on sustainability.
- Understand and evaluate the global scale of Environmental problems.
- We motivate and prepare students to raise to the challenges and opportunities associated with human environment interactions.
- Students understand about 3R, (Reduce, Reuse and Recycle) and to the complex relationship between natural and human systems.
- It inculcates the students to know and understand the vital role of tribal right in nature conservation.
- It explains about the importance of eco-friendly products to conserve our Environment .
- Understanding the role of an every individual to conserve our mother Earth.

FIRST YEAR BDS COURSE OUTCOME

SUBJECT : DENTAL ANATOMY, EMBRYOLOGY AND ORAL HISTOLOGY

At the end of the course training in Dental Anatomy, Embryology and Oral Histology, a student should be able to:

1. **Understand (C2)** the normal development, structure and function of oral and Para oral tissues and its variations.
2. **Recognize (C2)** the microscopic features of oral hard and soft tissues.
3. **Demonstrate (C3)** the histological basis of various dental treatment procedures and physiological ageing process in the dental tissue.
4. **Describe (P1)** and **differentiate (P1)** the morphology of primary and permanent teeth.
5. **Reproduce (P3)** the morphology of permanent teeth (natural size) by carving in wax blocks.
6. **Define (C1)** and **recall (C1)** the terminologies in dental anatomy.
7. **Identify(P1)** the age of the patient by visualizing pattern of teeth eruption from plaster casts of various age groups.

<u>CO - PO MAPPING</u>	<u>CO / PO</u>	<u>PO1</u>	<u>PO2</u>	<u>PO3</u>	<u>PO4</u>	<u>PO5</u>	<u>PO6</u>	<u>PO7</u>	<u>PO8</u>
HUMAN ANATOMY Course Code - 13118101	CO1	✓		✓					
	CO2	✓							
	CO3	✓	✓						
	CO4	✓							
	CO5	✓	✓	✓					
	CO6	✓							
	CO7	✓							
	CO8	✓							
	CO9	✓							✓
	CO10			✓					
	CO11							✓	
	CO12								✓
	CO13						✓		
HUMAN PHYSIOLOGY Course Code - 13118102	CO1	✓							
	CO2	✓							
	CO3	✓							
	CO4			✓					
	CO5	✓	✓	✓					
	CO6	✓	✓	✓					✓
	CO7	✓	✓	✓					
	CO8	✓	✓	✓					
	CO9	✓	✓	✓					
	CO10	✓	✓	✓					
	CO11	✓	✓	✓					
	CO12	✓	✓	✓					
	CO13	✓	✓	✓					
	CO14	✓	✓	✓					
EVS Course Code - 13118104	CO1								
	CO2								
	CO3			✓					
	CO4								
	CO5								
	CO6		✓						
	CO7						✓		
DENTAL ANATOMY, EMBRYOLOGY AND ORAL HISTOLOGY Course Code - 13118103	CO1	✓							
	CO2	✓							
	CO3	✓		✓					
	CO4	✓		✓					
	CO5	✓		✓					
	CO6	✓							
	CO7	✓		✓	✓				

II BDS – General Pathology – Course outcome

At the end of this phase the students should be able to

Cognitive Domain (Knowledge)

- Discuss the concepts of cell injury and pathological and immunological responses produced thereby in different tissues and organs and the body's capacity for healing.
- Demonstrate basic Knowledge and understanding of the immune system in health and disease.
- Describe the concept of hemodynamic disorders, thromboembolic disease and shock and their clinical application.
- Describe the concept of neoplasia with reference to the etiology, morphological features, diagnosis and prognosis in different tissues and organs of the body.
- Discuss the epidemiology, gross and microscopic features, clinical presentation and diagnostic techniques associated with different diseases in different organ systems (Haematology, Oral Cavity, CVS & Bones) to the extent needed for the understanding of disease processes and their clinical significance.

Psychomotor Domain (Skills)

- Recognise and interpret the common hematological disorders and the investigations.
- Perform and interpret the basic bed-side clinical pathology procedures on blood and urine samples.

VINAYAKA MISSION'S KIRUPANANDA VARIYAR MEDICAL COLLEGE, SALEM

DEPARTMENT OF MICROBIOLOGY

COURSE LEARNING OUTCOMES

BDS

At the end of the course the student should be able to

1. Understand the fundamentals of bacterial morphology, physiology, genetics, clinical bacteriology, virology, parasitology and mycology.
2. Understand the causal relationship of microorganisms and disease, their pathogenesis & laboratory diagnosis in detail.
3. To familiarize the students with sample collection technique, laboratory detection methods and interpretation of reports in clinical practice.
4. To understand the role of immunity in health and disease.
5. Apply the knowledge of antimicrobial chemotherapy, asepsis and infection control in Dental practice.

V.M.K.V. MEDICAL COLLEGE & HOSPITALS, SALEM – 636 308.

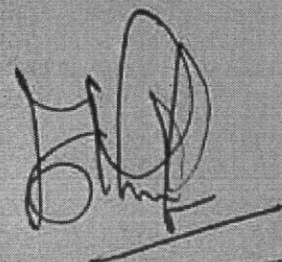
DEPARTMENT OF PHARMACOLOGY

BDS

BDS Course Learning Outcome:-

At the end of the course in pharmacology

1. Demonstrate an understanding of the dimensions and units of measurements for drugs and chemicals(C3)
2. Relate the wide spectrum of pharmacology for applications to clinical needs(C2).
3. Apply the basic principles of pharmacodynamics and pharmacokinetics to achieve therapeutic effect of drugs(C3)
4. List the indications, contraindications, interactions and adverse reactions of commonly used drugs.
5. Indicate the causation in prescribing of drugs in special medical situations such as pregnancy, lactation, infancy and old age.
6. Integrate the concept of rational drug therapy in clinical pharmacology.
7. Understand the basic principles of dental pharmacology and dental formulations.
8. To familiarize the student with the methodology of prescription writing, dispensing and acquire problems solving skills.



PROFESSOR & HOD
Dept. of Pharmacology
V.M.K.V. Medical College.
Srirangapatna, Salem 636 308

PRECLINICAL CONSERVATIVE DENTISTRY (BDS)

On completion of this course, the students will be able to

1. Describe comprehensively the etiopathogenesis and management of dental caries and non – carious lesions of teeth and also steps in root canal treatment.(C2)
2. Identify and discuss hand cutting, basic rotary instruments, grasps, endodontic hand instruments, four handed dentistry and patient - operator positions. (C2)
3. Explain properties of different restorative materials. Reproduce tooth preparation skills of different cavity designs in conservative and endodontic access cavity. Manipulate and proceed for placement of filling materials in typhodont/natural tooth.(P2,P3,P4)
4. Differentiate between simple to complex cavity designs in typhodont tooth.(P1)

DENTAL MATERIALS (BDS)

On completion of this course, the students will be able to

1. List and Describe comprehensively the etiopathogenesis of carious and non carious diseases of teeth.(C1,C2)
2. Identify and discuss the various characteristic properties of metallic and non-metallic restorative materials used in conservative dentistry and endodontics.(C2)
3. Explain, reproduce and manipulate skills in placement of various restorative dental materials in typhodont/natural tooth.(P2,P3,P4)
4. Differentiate and execute selection, use of various restorative dental materials, depending upon the nature of dental caries,cavity design and dimensions in the indicated tooth.(C3,C4,P1)

PROSTHODONTICS AND CROWN AND BRIDGE

DENTAL MATERIALS (BDS)

On completion of the course, the students will be able to

1. **List and Describe** comprehensively the various dental materials used for the replacement of missing teeth.(C1,P1)
2. **Classify and list out** different metals used in the fabrication of partial dentures. (C2,C1)
3. **Identify and explain** the various characteristic properties of dental materials.(C2,P2)
4. **Classify and elaborate** the properties and uses of different impression materials and its application clinically.(C2, C1)
5. **Explain , Reproduce and Manipulate** the skills involved in handling different dental materials used in the fabrication of denture.(C2,P3,P4)

PRECLINICAL PROSTHODONTICS (BDS)

On completion of the course, the students will be able to

1. **List and describe** comprehensively the various laboratory steps in the fabrication of complete and partial removable dentures. (C1,P1)
2. **Classify and list out** different types of articulators and its uses.(C2,C1)
3. **Describe and elaborate** the principles involved in teeth arrangement.(P1,C1)
4. **Classify and explain** the properties of different denture base materials and reproduce the manipulation of denture base with different denture base materials. (C2 , P2)
5. **Differentiate** between the various denture base materials and impression materials based on the clinical situation.(C4)

<u>CO - PO MAPPING</u>	<u>CO / PO</u>	<u>PO1</u>	<u>PO2</u>	<u>PO3</u>	<u>PO4</u>	<u>PO5</u>	<u>PO6</u>	<u>PO7</u>	<u>PO8</u>
DENTAL MATERIALS[CONSERVATIVE} Course Code - 13118202	CO1	✓							
	CO2	✓							
	CO3	✓							
	CO4	✓		✓					
PRECLINICAL CONSERVATIVE DENTISTRY Course Code - 131182P01	CO1	✓							
	CO2	✓							
	CO3	✓		✓					
	CO4	✓		✓					
DENTAL MATERIALS (PROSTHODONTICS) Course Code - 13118202	CO1	✓		✓	✓				
	CO2	✓		✓	✓				
	CO3	✓		✓	✓				
	CO4	✓		✓	✓			✓	
	CO5	✓	✓	✓	✓				✓
PRECLINICAL PROSTHODONTICS Course Code - 131182P02	CO1	✓	✓	✓	✓				
	CO2	✓		✓	✓			✓	
	CO3	✓		✓	✓				
	CO4	✓	✓	✓	✓				
	CO5	✓		✓	✓			✓	✓
GENERAL PATHOLOGY Course Code - 13118201	CO1	✓							
	CO2	✓		✓					✓
	CO3	✓		✓					
	CO4	✓		✓		✓	✓		
	CO5	✓			✓	✓			
	CO6			✓	✓				
	CO7			✓	✓	✓	✓		✓
GENERAL MICROBIOLOGY Course Code - 13118201	CO1	✓							
	CO2	✓		✓					✓
	CO3	✓		✓					
	CO4	✓	✓			✓	✓		
	CO5	✓		✓	✓				✓
GENERAL DENTAL PHARMACOLOGY & THERAPEUTICS Course Code - 13118203	CO1	✓							
	CO2	✓		✓					✓
	CO3	✓		✓					
	CO4	✓		✓		✓	✓		
	CO5	✓			✓	✓			
	CO6			✓	✓				
	CO7	✓			✓	✓	✓		
	CO8		✓	✓					

THIRD YEAR BDS COURSE OUTCOME

SUBJECT : GENERAL MEDICINE

At the end of the course training in General Medicine, a student should be able to:

Understand (C2) the pathophysiology of diseases, approach to a patient. Complications and its management that occur during dental procedures.

Recognize (C2) the various clinical features of illness and symptomatic analysis and complications arising during management.

Demonstrate (C3) the various clinical examination and signs, and the ability to arrive at an diagnosis and the ability to handle medical emergencies occurring during any dental procedures.

Describe (P1) and differentiate (P1) the various clinical signs and symptoms and differential diagnosis based on the above features.

Reproduce (P3) the clinical approach and investigations necessary and further plan of management.

Define (C1) and recall (C1) the terminologies in medicine.

Identify(P1) all clinical signs and symptoms in a patient presenting with an illness and the complications that can occur during any dental procedure.

DEPARTMENT OF GENERAL SURGERY

Course Learning Outcomes For III BDS Course :

1. The student are able to get correct and clear history from the patients and perform basic clinical examinations.
2. At the end of the Academic year, the students should be able to manage emergency surgical situations including trauma.
3. The students should be able to diagnose and manage common surgical conditions.
4. The students to develop adequate and right attitude in dealing with surgical problems.
5. The students should be able to perform basic surgical skill.
6. The students should be able to give proper pre-operative , post-operative and follow up care.
7. The students should be able to do necessary investigations, use of equipments and knowledge of drugs and their dosage.
8. The students should be able to guide patients and relatives regarding need, implications and problems of surgery in individual patients.
9. The students be should able to discharge effectively medico-legal and ethical responsible ties.

ORAL PATHOLOGY AND ORAL MICROBIOLOGY

At the end of the course training in Oral Pathology and Oral Microbiology, a student should be able to:

1. **Identify (C2) and describe (C2)** the clinical and pathological manifestations of common oral lesions and to **apply (C3)** with the preliminary diagnosis.
2. **Understand (A1)** the oral manifestations of systemic diseases and to **apply (C3)** with their physical signs and laboratory findings.
3. **Identify (P1) and explain(C2)** certain basic principles of Forensic odontology
4. **Detect (P1)** the common lesions affecting the oral tissues through microscopic and projected slides.
5. **Differentiate (C4)** between infectious diseases and **describe (C2)** the immunologic and reparative process of oral tissues & to **apply (C3)** with diagnosis.
6. **Identify (C2)** developmental disorders that affect the oral facial structures.

DENTAL ENGINEERING (BDS)

On completion of this course , the students will be able to

1. To understand the basic principles involved in functioning of dental chair and dental equipments. **(C2)**
2. To apply the basic principles of dental engineering in day to day Clinical Practice. **(C3)**
3. To learn about advanced dental equipments and to apply in current dental clinical scenario (C3)

<u>CO - PO MAPPING</u>	<u>CO / PO</u>	<u>PO1</u>	<u>PO2</u>	<u>PO3</u>	<u>PO4</u>	<u>PO5</u>	<u>PO6</u>	<u>PO7</u>	<u>PO8</u>
GENERAL MEDICINE Course Code - 13118301	C01	✓	✓	✓					
	C02	✓		✓	✓	✓			
	C03	✓		✓	✓				
	C04	✓		✓					
	C05	✓		✓	✓				✓
	C06	✓		✓					
	C07	✓	✓	✓	✓				

GENERAL SURGERY Course Code - 13118302	C01	✓	✓	✓					
	C02	✓		✓	✓	✓	✓		
	C03	✓	✓	✓					
	C04	✓		✓					
	C05	✓		✓	✓				✓
	C06	✓		✓	✓	✓			
	C07	✓				✓			
	C08	✓	✓	✓	✓	✓			
	C09	✓	✓	✓					

ORAL PATHOLOGY & ORAL MICROBIOLOGY Course Code - 13118303	C01	✓	✓	✓					
	C02	✓		✓					
	C03	✓				✓			
	C04	✓			✓				
	C05	✓		✓					
	C06	✓							

BACHELOR OF DENTAL SURGERY
COURSE LEARNING OUTCOME

ORAL MEDICINE AND RADIOLOGY

A BDS graduate is expected to be

1. Able to **listen(A1)**, record the details of case sheet in a systematic way
2. Able to **identify(C2)** and diagnose common disorders of orofacial region
3. Able to **perform (P4),(P2)** proper clinical examination, chairside investigations, Radiological investigations (Intra oral)
4. Able to **use(C3)** the necessary laboratory, Radiological investigations (Intra Oral, Panoramic radiograph) in managing common oral/ dental diseases/Mucosa and Jaw Diseases/Disorders
5. Is able to **discuss(A2)** various aspects of Oral and other Systemic disease in dental patients and **plan (C3)** the treatment.

ORAL AND MAXILLOFACIAL SURGERY

At the end of the course and clinical training in oral and maxillofacial surgery the students should be able to do;

1. Recognize [C2] the various diseases, disorders, congenital abnormalities, injuries and infections which occur in oral and maxillofacial region. Advise the appropriate investigations and formulate the most feasible treatment plan.
2. Execute [C3] extraction of teeth under both Local and General anaesthesia.
3. Implement [C3] primary care and manage medical emergencies in the dental office
4. RESPONDS[P3] to Prevent and Manage complications related to dental extractions. .
5. Perform[A2] certain minor oral surgical procedures under LA like frenectomy, alveolar procedures and Biopsy.
6. Acknowledge[A1] when and whether to refer the patient to a maxillofacial surgeon

PERIODONTICS

Course learning objectives

At the end of the course training in Periodontics, a student should be able to

1. **Identify (C2)** patients with existing gingival and periodontal pathologies.
2. **Outline (C1)** diagnosis, treatment planning and management of patients with existing gingival and periodontal pathologies.
3. **Describe (P1)** periodontal surgical techniques and **explain (P2)** the concepts of dental implants.
4. **Discuss (A2)** the treatment plan with the patient.
5. **Operate (C3)** individually with patients and effectively **perform (A2)** procedures like scaling, root planing and polishing on the patient.

ORTHODONTICS AND DENTOFACIAL ORTHOPAEDICS

At the end of the course training in orthodontics, a student should be able to:-

Apply the knowledge of growth and development in various types of malocclusion and classify them based on their clinical features.

Acquire knowledge on various orthodontic materials with emphasis on stainless steel and its clinical manipulation.

Diagnose an orthodontic case and explain the etiology of malocclusion.

Identify the skeletal age and amount of remaining growth in a growing child and execute various preventive and interceptive orthodontic procedures.

To **fabricate** and manipulate various components of removable appliances

CONSERVATIVE DENTISTRY AND ENDODONTICS

On completion of this course, the students will be able to

1. Describe comprehensively the etiopathogenesis of carious, non carious and endodontic diseases of teeth.(C2)
2. Identify and discuss the various characteristic properties of metallic and non-metallic restorative materials used in conservative dentistry and endodontics.(C2)
3. Explain the manipulative skills of various restorative materials, select treatment plan and procedure to re-restore dental health of the patient.(P2,P3)
4. Differentiate between simple to complicated clinical cases.(P1)
5. Describe various types of treatment modalities to the patient in simple and understandable language.(P1)
6. Appreciate critical understanding the science of conservative dentistry and endodontics, follow compassion, ethical values and professional behavior towards patients and dental fraternity. (A3,A1)

DENTAL MATERIALS (BDS)

On completion of this course, the students will be able to

1. List and Describe comprehensively the etiopathogenesis of carious and non carious diseases of teeth.(C1,C2)
2. Identify and discuss the various characteristic properties of metallic and non-metallic restorative materials used in conservative dentistry and endodontics.(C2)
3. Explain, reproduce and manipulate skills in placement of various restorative dental materials in typhodont/natural tooth.(P2,P3,P4)
4. Differentiate and execute selection, use of various restorative dental materials, depending upon the nature of dental caries,cavity design and dimensions in the indicated tooth.(C3,C4,P1)

PEDIATRIC AND PREVENTIVE DENTISTRY

Course learning outcomes: -

At the end of the course training in Pediatric and Preventive dentistry, a student should be able to

1. **Recognize (C2)** the various oral health diseases, **Plan (C3)** the treatment and skillfully **execute (C3)** the treatment in children.
2. **Guide, counsel and communicate** to the parents / children in regards to various treatment modalities in order to create good oral health in children.
3. **Perform (A2)** the various behavior management techniques in pediatric patients and instill a positive behavior in children.
4. **Understand (A1, C2) and apply (C3)** the principles of prevention in pediatric dentistry right from birth to adolescence.
5. To **interpret (C3)** the developing malocclusion.

PROSTHODONTICS

At the end of the course training in Prosthodontics, a student should be able to

1. **Relate** basic sciences education as a foundation for clinical and Laboratory skill.
2. **Excel** in diagnosis, treatment planning and management of patients with Partial & completely edentulous situations.
3. **Apply** basic principles in the selection and utilisation of appropriate materials, instruments, and therapeutic agents in the treatment of partial & complete denture patients.
4. **Plan ,Propose & Construct** fixed dental prosthesis such as ,cast metal ,metal ceramic restorations for appropriate clinical circumstances
5. **Demonstrate** understanding of the behavioral, clinical and laboratory procedures involved in the treatment of patients requiring prosthodontic care.
6. **Operate** individually with patients and other professionals and in general educational and professional settings.

PROSTHODONTICS AND CROWN AND BRIDGE

DENTAL MATERIALS (BDS)

On completion of the course, the students will be able to

1. **List and Describe** comprehensively the various dental materials used for the replacement of missing teeth.(C1,P1)
2. **Classify and list out** different metals used in the fabrication of partial dentures. (C2,C1)
3. **Identify and explain** the various characteristic properties of dental materials.(C2,P2)
4. **Classify and elaborate** the properties and uses of different impression materials and its application clinically.(C2, C1)
5. **Explain , Reproduce and Manipulate** the skills involved in handling different dental materials used in the fabrication of denture.(C2,P3,P4)

PRECLINICAL PROSTHODONTICS (BDS)

On completion of the course, the students will be able to

1. **List and describe** comprehensively the various laboratory steps in the fabrication of complete and partial removable dentures. (C1,P1)
2. **Classify and list out** different types of articulators and its uses.(C2,C1)
3. **Describe and elaborate** the principles involved in teeth arrangement.(P1,C1)
4. **Classify and explain** the properties of different denture base materials and reproduce the manipulation of denture base with different denture base materials. (C2 , P2)
5. **Differentiate** between the various denture base materials and impression materials based on the clinical situation.(C4)

<u>CO - PO MAPPING</u>	<u>CO / PO</u>	<u>PO1</u>	<u>PO2</u>	<u>PO3</u>	<u>PO4</u>	<u>PO5</u>	<u>PO6</u>	<u>PO7</u>	<u>PO8</u>
DEPARTMENT OF ORAL MEDICINE AND RADIOLOGY Course Code - 161324T01	C01	✓	✓	✓		✓	✓		✓
	C02	✓	✓	✓		✓	✓		✓
	C03	✓		✓					✓
	C04	✓		✓					✓
	C05	✓	✓	✓			✓		✓
ORAL AND MAXILLOFACIAL SURGERY Course Code - 161324T02	C01	✓	✓						
	C02	✓		✓					
	C03	✓		✓					
	C04	✓		✓					
	C05	✓		✓					
	C06	✓						✓	
PERIODONTOLOGY Course Code - 161324T03	C01	✓			✓				
	C02	✓		✓		✓			
	C03	✓		✓					
	C04		✓			✓	✓		
	C05	✓		✓					✓
CONSERVATIVE DENTISTRY AND ENDODONTICS Course Code - 161324T04	C01	✓							
	C02	✓							
	C03	✓							
	C04			✓					
	C05	✓	✓	✓		✓			
	C06	✓					✓	✓	
ORTHODONTICS Course Code - 161324T05	C01	✓	✓	✓					
	C02	✓		✓		✓	✓		✓
	C03		✓	✓					
	C04	✓	✓	✓	✓				
	C05	✓		✓			✓		
PEDIATRIC AND PREVENTIVE DENTISTRY Course Code - 161324T06	C01	✓	✓	✓	✓	✓			
	C02	✓	✓			✓	✓	✓	✓
	C03	✓				✓	✓		✓
	C04	✓		✓	✓	✓	✓	✓	
	C05	✓		✓	✓				✓
PROSTHODONTICS & CROWN AND BRIDGE Course Code - 161324T07	C01	✓						✓	✓
	C02	✓	✓	✓	✓	✓	✓		
	C03	✓		✓	✓				
	C04	✓	✓	✓	✓	✓	✓		
	C05	✓	✓	✓	✓	✓	✓	✓	✓
	C06		✓	✓			✓	✓	✓
PUBLIC HEALTH DENTISTRY Course Code - 161324T08	C01	✓	✓	✓		✓	✓	✓	
	C02	✓		✓	✓	✓		✓	✓
	C03	✓	✓	✓	✓	✓		✓	✓
	C04	✓	✓	✓		✓	✓	✓	
	C05	✓		✓	✓	✓	✓	✓	✓

