

# SRI SIDDHARTHA DENTAL COLLEGE AND HOSPITAL

AGALAKOTE, B.H.ROAD, TUMKUR-572107, KARNATAKA.

Recognized by Dental Council of India, NEW DELHI

A Constituent College of Sri Siddhartha Academy of Higher Education (Deemed-to-be-university) Accredited 'A' Grade by NAAC

Phone No: / Fax No: 0816-2275536

Web: [www.ssdctumkur.org](http://www.ssdctumkur.org)

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## DEPARTMENT OF PROSTHODONTICS

Description of courses having focus on competency/employability/entrepreneurship/skill-development


### BDS course- Dental Materials

Course description	Competency	Employability	Entrepreneurship	skill-development
Uses, physical, mechanical, chemical composition, and biological properties of the materials.	√			
Able to manipulate the material in the appropriate way thus enhancing the properties of the material.				√

### BDS course- Pre-clinical Prosthodontics

Course description	Competency	Employability	Entrepreneurship	skill-development
Understand the basic steps in fabricating a complete denture	√			
Know the anatomical variations and alterations for arrangement of teeth				√

  
Principal  
Sri Siddhartha Dental College  
Agalakote, B.H.Road, Tumkur-572107

  
PROF., & H.O.D  
Department of Prosthodontics  
Crown and Bridge  
SRI SIDDHARTHA DENTAL COLLEGE  
AGALAKOTE, B. H. ROAD, TUMKUR-572107

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in various ridge relations				
To know the basic steps in preparation of tooth to receive various restorations on plaster models.	√			
To know the parts of cast partial denture. · Understand the basic steps in fabricating a removable of Prosthodontics. · To know the basic parts of a dental chair	√			

## BDS course- Prosthodontics

Course description	Competency	Employability	Entrepreneurship	skill-development
Understand the basics steps in fabricating complete dentures.	√			
To learn and perform laboratory and clinical steps in fabricating complete denture.		√		

  
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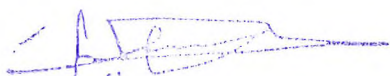
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To learn and perform laboratory and clinical steps in fabricating removable partial denture.		√		
To know the importance and application of cast partial denture treatment option among partially edentulous arches.	√			
To know the fundamental and basic principles of tooth preparation.				√
To know the need of implant supported prosthesis.	√			
To applicate the concepts of maxillofacial Prosthodontics.	√			



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## DEPARTMENT OF PROSTHODONTICS

Description of courses having focus on competency/employability/entrepreneurship/skill-development

### MDS course- Prosthodontics

Course description	Competency	Employability	Entrepreneurship	skill-development
Knowledge of instruments, equipment, and research tools in Prosthodontics.				√
Knowledge of Dental Material Science - Biological and bio-mechanical, bio-aesthetics knowledge of using in laboratory and clinics including testing methods.				√
Selection of cases and principles in treatment of edentulous patients, partial or complete by implant supported prosthesis.	√			
Practice management, examinations, treatment planning,		√		

  
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communication with patients, clinical and laboratory techniques materials and instrumentation requiring different aspects of prosthodontic therapy, Tooth and Tooth surface restoration.				
Acquired skill through adequate number of complete denture prosthesis and techniques higher clinical approach by utilizing semi-adjustable articulators, face bow and graphic tracing.			√	
Acquired skill through adequate numbers of R.P.D. covering all clinical partially edentulous situation	√			
Acquired skill through adequate number of Crowns, Inlays, laminates F.P.D. covering all clinically, partial edentulous			√	

  
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situation				
Skills of treating single edentulous situation by implant support, Diagnosis and treatment planning, 1st stage and llnd stage implant surgery.				√
Treating craniofacial defects, management of orofacial aesthetics, prosthetic management of TMJ syndrome, occlusal rehabilitation, maintenance and management of filled restoration, Prosthodontic Management of patient with psychogenic origin, Practice of child and geriatric prosthodontics.				√
Implants Prosthodontics - Rehabilitation of Partial Edentulous, Complete edentulism and for craniofacial rehabilitation. Failures in all aspects of Prosthodontics and its		√		

  
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management and after care, Team management for esthetics, TMJ syndrome and Maxillofacial and Craniofacial Prosthodontics  Management of Prosthodontics emergencies, resuscitation.				
Student should be able to display their knowledge through seminars, Journal Clubs, Case presentations, Problem Based learnings and Inter Departmental Meet.	√			
Students should be able to take minimum two theory classes per annum for undergraduate students.		√		
Students must attend and present scientific papers at CDE, conferences and workshops conducted in various scientific platforms and gain adequate knowledge on current concepts in	√			

  
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Prosthodontics, crown and bridge.				
Competent specialization in team management of craniofacial design.			√	
Student should be able to display effective interpersonal communication and managerial skills on patient care with ethical responsibilities.			√	



HOD

Department of Prosthodontics  
**PROF., & H.O.D**  
Department of Prosthodontics  
Crown and Bridge  
SRI SIDDHARTHA DENTAL COLLEGE  
AGALAKOTE, B. H. ROAD, TUMKUR-572102



Principal  
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Agalakote, B.H.Road, Tumkur-572107  
Principal

SSDC

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## DEPARTMENT OF ORAL PATHOLOGY AND MICROBIOLOGY

COURSES WITH FOCUS ON COMPETENCY/EMPLOYABILITY/ENTERPRENEURSHIP/SKILL DEVELOPMENT

### DENTAL ANATOMY, EMBRYOLOGY AND ORAL HISTOLOGY THEORY AND PRACTICAL (UG)

SL NO	SYLLABUS	COMPETENCY	EMPLOYABILITY	ENTERPRENEURSHIP	SKILL DEVELOPMENT
1	TOOTH MORPHOLOGY	√	√		√
2	ORAL EMBRYOLOGY	√	√	√	√
3	ORAL HISTOLOGY		√	√	√
4	ORAL PHYSIOLOGY	√	√	√	√

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## ORAL PATHOLOGY AND MICROBIOLOGY THEORY AND PRACTICAL (UG)

SL NO	SYLLABUS	COMPETENCY	EMPLOYABILITY	ENTERPRENEURSHIP	SKILL DEVELOPMENT
1	INTRODUCTION	√	√		√
2	DEVELOPMENTAL DISTURBANCE	√	√	√	√
3	DENTAL CARIES		√	√	√
4	PULP AND PERIAPICAL DISEASES	√	√	√	√
5	PERIODONTAL DISEASES	√	√		√
6	MICROBIAL INFECTIONS OF ORAL SOFT TISSUE	√	√	√	√
7	COMMON NON INFLAMMATORY DISEASES OF ORAL CAVITY		√	√	√
8	DISEASES OF TM JOINT	√	√	√	√
9	CYSTS OF ORAL AND PARAORAL REGION	√	√		√
10	TUMOURS OF ORAL CAVITY	√	√	√	√
11	TRAUMATIC, REACTIVE & REGRESSIVE LESION		√	√	√
12	ATTRITION, ABRASION, EROSION	√	√	√	√

*Devi*  
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13	NON NEOPLASTIC SALIVARY GLAND DISEASES	√	√		√
14	SYSTEMIC DISEASES INVOLVING ORAL CAVITY	√	√	√	√
15	MUCOCUTANEOUS LESIONS		√	√	√
16	DISEASES OF NERVES	√	√	√	√
17	DISEASES OF MAXILLARY SINUS	√	√		√
18	ORAL PRECANCER - CANCER	√	√	√	√
19	PRINCIPLES OF FORENSIC ODONTOLOGY		√	√	√

  
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## ORAL PATHOLOGY AND MICROBIOLOGY THEORY AND PRACTICAL ( FIRST YEAR MDS)

SL NO	SYLLABUS	COMPETENCY	EMPLOYABILITY	ENTERPRENEURSHIP	SKILL DEVELOPMENT
1	BIOSTATISTICS AND RESEARCH METHODOLOGY	√	√		√
2	APPLIED GROSS ANATOMY OF HEAD AND NECK INCLUDING HISTOLOGY	√	√	√	√
3	PHYSIOLOGY(ORAL & GENERAL)		√	√	√
4	CELL BIOLOGY	√	√	√	√
5	GENERAL HISTOLOGY	√	√		√
6	BIOCHEMISTRY	√	√	√	√
7	GENERAL PATHOLOGY		√	√	√
8	GENERAL MICROBIOLOGY	√	√	√	√
9	BASIC IMMUNOLOGY	√	√		√
10	SYSTEMIC & APPLIED MICROBIOLOGY	√	√	√	√
11	ORAL BIOLOGY		√	√	√
12	BASIC MOLECULAR BIOLOGY	√	√	√	√
13	BASIC HISTOLOGIC TECHNIQUES	√	√		√

  
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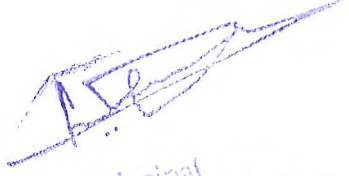
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## ORAL PATHOLOGY AND MICROBIOLOGY THEORY AND PRACTICAL ( SECOND YEAR MDS)

SL NO	SYLLABUS	COMPETENCY	EMPLOYABILITY	ENTERPRENEURSHIP	SKILL DEVELOPMENT
1	ORAL PATHOLOGY	√	√		√
2	CLINICAL PATHOLOGY	√	√	√	√
3	ORAL ONCOLOGY		√	√	√
4	ORAL MICROBIOLOGY AND IMMUNOLOGY	√	√	√	√
5	FORENSIC ODONTOLOGY	√	√		√
6	HISTOPATHOLOGY - SLIDE DISCUSSION	√	√	√	√
7	LABORATORY TECHNIQUES		√	√	√
8	OTHER TOPICS IN ORAL PATHOLOGY	√	√	√	√
9	ACADEMIC ACTIVITIES	√	√		√

  
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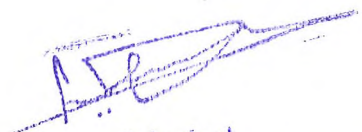
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## ORAL PATHOLOGY AND MICROBIOLOGY THEORY AND PRACTICAL ( THIRD YEAR MDS)

SL NO	SYLLABUS	COMPETENCY	EMPLOYABILITY	ENTERPRENEURSHIP	SKILL DEVELOPMENT
10	NON-NEOPLASTIC DISODERS OF SALIVARY GLANDS	√	√		√
11	BONE PATHOLOGY	√	√	√	√
12	PHYSICAL AND CHEMICAL INJURIES,ALLERGIES AND IMMUNOLOGICAL DISEASES		√	√	√
13	CYSTS AND TUMOURS OF ODONTOGENIC ORIGIN	√	√	√	√
14	ORAL MANIFESTATION OF SYSTEMIC DISEASE	√	√		√
15	ACADEMIC ACTIVITIES	√	√	√	√

  
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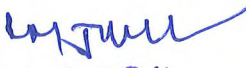
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## DEPARTMENT OF CONSERVATIVE DENTISTRY & ENDODONTICS

Undergraduate courses with focus on competency/ employability/ entrepreneurship/ skill development

Name of the Topic	Competency	Employability	Entrepreneurship	skill development
Examination, diagnosis and Treatment planning	√	√	√	
Infection control during operative procedures	√	√	√	
Control of pain during operative procedures	√	√		√
Dental caries	√	√		
Contacts and contours	√			√
Isolation of operative field	√			
Management of gingival tissue management	√	√		√
Pulpal reaction to restorative procedures	√			
Dentinal hypersensitivity	√			
Diseases of pulp and periapical tissues	√			
Biocompatibility of restorative materials	√			
Tooth coloured restorative protocols	√	√	√	√
Management of non-carious lesion	√	√	√	√
Direct filling gold	√			
Gnathological concept of restorations	√			
Cast gold restorations	√	√	√	√
Principles of esthetic dentistry	√	√	√	
Tooth coloured inlays and onlays	√	√		√

  
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Name of the Topic	Competency	Employability	Entrepreneurship	skill development
Ceramic veneers	√	√		√
Lasers in conservative dentistry and endodontics	√	√	√	√
Rationale and principle of Endodontics	√			
Clinical diagnostic methods	√			
Endodontic armamentarium	√			
Case selection and treatment planning	√			
Anatomy of pulp space	√			
Endo-perio lesion	√			
Management of discoloration of teeth	√	√		√
Determination of working length	√	√		√
Cleaning and shaping techniques	√	√		√
Intra canal irrigants	√			
Root canal obturation- materials and techniques	√	√		√
Post endodontic restoration	√	√		√
Traumatic injuries and its management	√	√	√	√
Endo emergencies and its management	√			√
Endodontic surgeries	√	√	√	√
Uses of microscope	√		√	√



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## DEPARTMENT OF CONSERVATIVE DENTISTRY & ENDODONTICS

Postgraduate courses with focus on competency/ employability/ entrepreneurship/ skill development

Name of the Topic	Competency	Employability	Entrepreneurship	skill development
Examination, diagnosis and Treatment planning	√	√	√	√
Occlusion and Contacts and contours	√	√		√
Dental caries	√	√		√
Hand and rotary cutting instruments	√	√		√
Dental burs	√			√
Infection control in operative procedures	√	√		√
Tooth preparation concepts	√	√	√	√
Biological response of pulp to restorations	√			√
Composite restorations	√	√		√
Indirect tooth coloured restorations	√	√		√
Impression techniques	√	√		√
Cast metal restorations	√	√		√
Direct filling gold	√			√
Recent advances in restorative materials	√			√
Smile design	√	√	√	√
Management of non carious lesion	√	√		√
Management of discoloured teeth	√	√		√
Minimal invasive dentistry	√	√		√



PROF. S. H.O.D.  
Dept. Of Conservative Dentistry  
Sri Siddhartha Dental College,  
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Principal  
Sri Siddhartha Dental College  
Agalakote, B.H.Road, Tumkur-572107

# SRI SIDDHARTHA DENTAL COLLEGE AND HOSPITAL

**AGALAKOTE, B.H.ROAD, TUMKUR-572107, KARNATAKA.**

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Name of the Topic	Competency	Employability	Entrepreneurship	skill development
Lasers	√	√	√	√
Hypersensitivity	√	√		√
CAD-CAM in restorative dentistry	√	√	√	√
Digital imaging techniques	√		√	√
Clinical photography	√	√	√	√
Rationale of endodontics	√			√
pulp and periapical pathology	√			√
Pathobiology of periapex	√			√
Diagnostic procedures	√	√		√
Case selection and treatment planning	√	√		√
Endodontic microbiology	√			√
Infection control procedures	√			√
Endodontic emergencies and its management	√	√		√
Endodontic instruments and instrumentation	√	√		√
Working length determination, cleaning and shaping techniques of root canals	√	√		√
Obturation techniques and recent advances	√	√		√
Traumatic injuries and management	√	√		√
Endodontic surgeries	√	√		√
Endo-perio lesion management	√			√

  
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 Head, Of Conservative Dentistry  
 Sri Siddhartha Dental College  
 Agalakote B.H. Road Tumkur - 572107

  
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Name of the Topic	Competency	Employability	Entrepreneurship	skill development
Lasers in Endodontics	√		√	√
Multidisciplinary approach to endodontic situations	√	√		√
Radiology and CBCT	√		√	√
Procedural errors and management	√			√
Endodontic failures and retreatment	√	√		√
Resorption and its management	√			√
Microscope and microsurgery in endodontics	√		√	√
Single visit endodontics, current concepts	√	√		√
Regenerative endodontics	√			√



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## Third BDS

SERIAL NO	TOPIC	Competency	Skill Development	Entrepreneurship	Employability
<b>ORAL MEDICINE</b>					
1.	Introduction to oral medicine	√		√	√
2.	Case history and clinical examination	√		√	√
3.	Abnormalities of the teeth	√		√	√
4.	Developmental disorders of the jaws, tongue, oral mucosa	√		√	√
5.	Periodontal diseases	√		√	√
6.	Lymphatic drainage of head & neck & Differential diagnosis of cervical lymphadenopathy	√	√	√	√
7.	Facial Pain	√		√	√
8.	Acute & chronic infections of the jaws	√		√	√
9.	Infections of the Oral and paraoral structures	√		√	√
10.	Laboratory investigations in oral medicine	√	√	√	√
11.	Forensic Odontology	√	√	√	√
12.	Dental therapeutics	√	√	√	√
13.	White lesions	√		√	√
14.	Ulcerative & Vesiculo Bullous lesions	√		√	√
15.	Pigmented lesions affecting oral mucosa	√		√	√
<b>RADIOLOGY</b>					
16.	Introduction	√		√	√
17.	Construction and working of x ray tube	√	√	√	√
18.	Factors controlling X ray beam	√	√	√	√
19.	Interaction of x rays with matter	√		√	√
20.	Ideal radiograph	√	√	√	√
21.	Faulty radiographs	√	√	√	√
22.	Radiation biology	√		√	√
23.	Radiation protection	√	√	√	√
24.	Anatomic landmarks in	√	√	√	√

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	periapical radiograph				
25.	Role of radiography in diagnosis of dental caries	√	√	√	√
26.	Role of radiography in diagnosis of periodontal disease	√	√	√	√

## FINAL BDS

SERIAL NUMBER	TOPIC	Competency	Skill Development	Entrepreneurship	Employability
<b>ORAL MEDICINE</b>					
1.	Systemic review in oral medicine – I (CVS System)	√		√	√
2.	Systemic review in oral medicine – II (Respiratory System)	√		√	√
3.	Systemic review in oral medicine – III (GIT)	√		√	√
4.	Systemic review in oral medicine – IV (Endocrine)	√		√	√
5.	Systemic review in oral medicine – V (Renal System)	√		√	√
6.	Systemic review in oral medicine – VI (Hematologic)	√		√	√
7.	Dental consideration in pregnant patient	√		√	√
8.	Nutritional deficiencies affecting oral cavity	√		√	√
9.	Metabolic disorders affecting oral cavity	√		√	√
10.	Salivary gland disorders	√		√	√
11.	Disorders of the Bone	√		√	√
12.	Cysts	√		√	√
13.	Tumors	√		√	√
14.	Tongue in health & disease	√		√	√
15.	Dermatological diseases with oral manifestation	√		√	√
16.	Granulomatous Diseases	√		√	√
17.	Allergy	√		√	√
18.	Oral cancer	√		√	√
19.	Nerve and muscle disorders	√		√	√
20.	Infectious diseases	√		√	√
21.	HIV infection	√		√	√

  
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22.	Emergencies in dental practice	√	√	√	√
<b>RADIOLOGY</b>					
23.	Periapical radiolucencies	√	√	√	√
24.	Multilocular radiolucencies	√	√	√	√
25.	Radioopacities in the jaws	√	√	√	√
26.	Mandibular fractures	√	√	√	√
27.	Maxillary fractures	√	√	√	√
28.	Radiographic features of the diseases of maxillary antrum	√	√	√	√
29.	Radiographic features of the diseases of TMJ	√	√	√	√
30.	Soft tissue calcifications	√		√	√
31.	Sialography	√	√	√	√
32.	Recent imaging modalities and its application in dentistry	√	√	√	√

  
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## DEPARTMENT OF ORTHODONTICS & DENTOFACIAL ORTHOPEDICS

Undergraduate courses with focus on competency/employability/entrepreneurship/skill development

Name of the topic	Competency	Employability	Entrepreneurship	Skill development
Growth and Development	√			
Morphologic Development of Craniofacial Structures	√			
Functional Development of Dental Arches and Occlusion	√			
Clinical Application of Growth and Development	√			
Malocclusion	√			
Classification of Malocclusion	√			
Function of Stomatognathic System	√			
Aetiology of Malocclusion	√			
Diagnosis And Diagnostic Aids	√			√
Soldering and Welding	√			
General Principles In Orthodontic Treatment Planning	√	√		√
Anchorage in Orthodontics	√		√	

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Biomechanical Principles In Orthodontic Tooth Movement	√			
Preventive Orthodontics				√
Interceptive Orthodontics	√	√		
Corrective Orthodontics	√	√		√
Removable Orthodontic Appliances	√	√		
Fixed orthodontic appliances	√	√	√	√
Extra oral appliances	√	√	√	√
Myofunctional appliances	√	√	√	√
Orthodontic management of cleft lip & palate	√	√	√	√
Surgical orthodontics	√	√	√	√
Management of different malocclusions	√	√	√	√

  
**Signature**  
**Prof. & HOD**  
Department of Orthodontics  
Sri Siddhartha Dental College  
Tumkur - 572107.

  
**Signature**  
Principal  
Checked by IOAC,  
Sri Siddhartha Dental College.

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## Postgraduate courses with focus on competency/employability/entrepreneurship/skill development

Name of the topic	Competency	Employability	Entrepreneurship	Skill development
Applied anatomy	√			
Physiology	√			
Dental Materials	√			
Genetics	√			
Physical Anthropology	√			
Pathology	√			
Biostatistics	√			
Applied research methodology in Orthodontics	√			
Applied pharmacology	√			
Orthodontics History	√			
Etiology and classification of malocclusion	√	√		√
Dentofacial anomalies	√	√		
Child and adult psychology	√	√		
Diagnostic procedures and treatment planning in Orthodontics	√	√	√	√
Practice management in Orthodontics	√	√	√	√
Clinical Orthodontics	√	√	√	√

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Myofunctional orthodontics	√	√	√	√
Dentofacial orthopedics	√	√	√	√
Cleft lip and palate rehabilitation	√	√	√	√
Biology of tooth movement	√	√	√	√
Orthodontics/Orthognathic surgery	√	√	√	√
Ortho-perio-prostho inter relationship	√	√	√	√
Applied preventive aspects in orthodontics	√	√	√	√
Interceptive orthodontics	√	√	√	√
Retention and relapse	√	√	√	√
Recent advances	√	√	√	√

  
**Signature**  
**Prof & HOD**  
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Chairperson, IOAC,  
**Signature**  
**Principal**  
Sri Siddhartha Dental College.

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## PEDIATRIC AND PREVENTIVE DENTISTRY

Teaching hours: Theory: 65 Hours,

Pedodontics and Preventive Dentistry Lectures Practicals/Clinics: 170 Hours

III Year: 70 Hours

IV Year: 100 Hours Theory

III Year: 20 Hours

IV Year: 45 Hours

### PEDODONTICS AND PREVENTIVE DENTISTRY: 20 HOURS

			SKILL DEVE LOPM ENT	VALUE ADDED	INTER- DISCIPLINERY	COMPETENCY	ENTREPRE NEURSHIP	EMPLOYABILITY
1	Introduction to Pediatric and Preventive Dentistry - Definition, Scope, Objectives and Importance	1hour	✓				✓	
2	Growth and Development( will be covered by department of orthodontics also) <ul style="list-style-type: none"> <li>• Importance of study of growth and development in Pedodontics</li> <li>• Prenatal and postnatal</li> </ul>	2 hours		✓	✓ ✓ ✓		✓	

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	<p>factors in growth and development</p> <ul style="list-style-type: none"> <li>• Theories of growth and development</li> <li>• Methods to measure growth</li> <li>• Development of maxilla and mandible and age related changes</li> </ul>		✓	✓	✓		
3	<p>Development of Occlusion from birth to adolescence</p> <ul style="list-style-type: none"> <li>• Mouth of neonate, gumpads</li> <li>• Primary dentition period</li> <li>• Mixed dentition period</li> <li>• Establishment of occlusion</li> <li>• Study of variations and abnormalities</li> </ul>	2hours	✓	✓			✓
4	<p>Dental Anatomy and Histology</p> <ul style="list-style-type: none"> <li>• Chronology of</li> </ul>	2hours		✓			✓

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	<p>eruption of teeth</p> <ul style="list-style-type: none"> <li>• Differences between primary and permanent teeth</li> <li>• Eruption disorders and their management including teething, ectopic eruption, ankylosis</li> <li>• Importance of first permanent molars.</li> </ul>						
5	<p>Dental Anatomy and Histology</p> <ul style="list-style-type: none"> <li>• Chronology of eruption of teeth</li> <li>• Differences between primary and permanent teeth</li> <li>• Eruption disorders and their management including teething, ectopic eruption,</li> </ul>	3hours		✓			✓

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	<p>ankylosis</p> <ul style="list-style-type: none"> <li>• Importance of first permanent molar</li> <li>• Role of diet and nutrition in dental caries &amp; sugar substitutes</li> <li>• Diet counselling and dirtart modifications</li> <li>• Caries activity tests, caries prediction, susceptibility and their clinical application</li> </ul>						
6	Dental materials used commonly in children and adolescents ( outline revision)	1hour	✓				✓
7	Case history recording - Principles of history taking, examination, investigations, diagnosis and treatment planning	1hour	✓				✓
8	Pediatric operative dentistry	5hours	✓				✓

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<ul style="list-style-type: none"><li>• Principles of operative dentistry</li><li>• Isolation- importance and techniques</li><li>• Modifications in cavity preparation and recent cavity designs for primary and young permanent teeth</li><li>• Atraumatic/ Alternative Restorative Technique (ART)</li><li>• Other methods of caries removal</li><li>• Restoration of carious teeth (primary, young permanent and permanent teeth) using various restorative materials like glass ionomers, composites,</li></ul>					✓		✓  ✓
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	<p>silver amalgam</p> <ul style="list-style-type: none"> <li>• Preformed crowns: stainless steel, polycarbonate and strip crowns</li> </ul>							
9	<p>Gingival and periodontal diseases in children</p> <ul style="list-style-type: none"> <li>• Normal gingival and periodontium in children</li> <li>• Definition. Classification</li> <li>• Aetiology, pathogenesis and management of gingival and periodontal conditions seen in children and adolescents</li> </ul>	2hours			✓		✓	✓

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10.	DENTAL RADIOLOGY AS RELATED TO PEDODONTICS	1 HOUR		✓			✓	✓
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## DEPARTMENT OF PERIODONTICS

### POST GRADUATE COURSES WITH FOCUS ON

### COMPETENCY/EMPLOYABILITY/ENTREPRENEURSHIP/SKILL DEVELOPMENT

Name of the topic	Competency	Employability	Entrepreneurship	Skill development
Basic structures of periodontium	✓			
Classification of periodontal disease	✓			
Epidemiology of periodontal disease	✓			
Trauma from occlusion	✓			
Furcation involvement	✓			
Endo perio relationship	✓			
Periodontal flap surgery	✓	✓	✓	✓
Mucogingival surgery	✓	✓	✓	✓
Regenerative periodontics	✓	✓	✓	✓
Respective periodontal surgery	✓			
Dentinal hypersensitivity	✓	✓		✓

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prognosis	√		√	
implants	√	✓	✓	✓
lasers	✓	✓	✓	√
microsurgery	√	√	✓	✓
splinting	√	√		√
Clinical features of gingiva	√	√		
Periodontal pockets	√	√	√	√
Management of gingival recession	√	√	√	√
rootplaning	√	√	√	√
ANUG	√	√	√	√
Toothbrush and toothpastes	√	√	√	√
periimplantitis	√	√	√	√

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## DEPARTMENT OF PERIODONTICS

### UNDERGRADUATE COURSES WITH FOCUS ON COMPETENCY/EMPLOYABILITY/ENTREPRENEURSHIP/SKILL DEVELOPMENT

Name of the topic	Competency	Employability	Entrepreneurship	Skill development
Basic structures of periodontium	√			
Classification of periodontal disease	√			
Epidemiology of periodontal disease	√			
Trauma from occlusion	√			
Furcation involvement	√			
Endo perio relationship	√			
Periodontal flap surgery	√	✓	✓	✓
Mucogingival surgery	√	✓	✓	✓
Regenerative periodontics	√	✓	✓	√
Respective periodontal surgery	√			
Dentinal hypersensitivity	√	√		√

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prognosis	√		√	
implants	√	✓	✓	✓
lasers	✓	✓	✓	√
microsurgery	√	√	✓	✓
splinting	√	√		√
Clinical features of gingiva	√	√		
Periodontal pockets	√	√	√	√
Management of gingival recession	√	√	√	√
rootplaning	√	√	√	√
ANUG	√	√	√	√
Toothbrush and toothpastes	√	√	√	√
periimplantitis	√	√	√	√

  
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## Curriculum design & Development

Sl No	Topics	Competency	Employability	Entrepreneurship	Skill development
<b>SECTION I</b>					
1.	Introduction to Dentistry		√		
<b>SECTION II- PUBLIC HEALTH &amp; DENTAL PUBLIC HEALTH</b>					
2	Introduction to Public Health & disease	√			
3	Public Health Dentistry	√			
<b>SECTION III- ENVIRONMENT AND HEALTH</b>					
4	ENVIRONMENT AND HEALTH				√
<b>Section IV- BEHAVIORAL AND SOCIAL SCIENCES</b>					
6.	Behavioral Sciences: sociology, psychology and anthropology	√			
<b>Section V- EPIDEMIOLOGY</b>					
7	General Epidemiology Epidemiological Methods	√			
8	Dental caries				√
9	Periodontal disease				√
10	Oral Cancer				√
11	Malocclusion				√
12	Dental fluorosis				√
<b>Section VI- PREVENTIVE DENTISTRY</b>					
					1

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## Curriculum design & Development

13	Health education and Health Promotion & Communication				√
14	Nutrition and Oral health	√			
15	School Oral Health Programmes				√
16	Fluorides				√
17	Pit and Fissure Sealants				√
18	Atraumatic Restorative Treatment [ART]				√
Section VII – PROBLEM SOLVING					
19	Survey Procedures in Dentistry				√
20	Planning and Evaluation				√
21	Screening for the disease				√
Section VIII – INDICES					
22	Indices in Dental Epidemiology	√			
Section IX- PROVISION OF HEALTH CARE					
23	Health care delivery systems		√		
24	Dental Manpower		√		
25	Finance in Dental Care	√			
Section X - RESEARCH METHODOLOGY & BIostatISTICS					
26	Research methodology and Biostatistics				√

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## Curriculum design & Development

28	Health Information				√
<b>Section XI – PRACTICE MANAGEMENT &amp; ADMINISTRATION</b>					
29	Occupational hazards in Dentistry	√			
30	Infection control in dentistry	√			
31	Establishing and Maintaining a dental office	√			
32	Mobile Dental Clinic	√			
33	Health Economics	√			
<b>Section XII – LEGAL ISSUES IN HEALTH CARE</b>					
34	Ethics in Medicine & Dentistry	√			
35	Medical Jurisprudence	√			
36	Disaster management: Types, Triage, Basic steps	√			
37	Policy formulation concept: Meaning of policy, requirements, steps involved	√			

  
Head of the Dept.  
Dept. of Public Health Dentistry  
[Dr. Bharatesh JY]

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Principal/ Chairperson  
IQAC

[Dr. Praveen B Kudva]  
Principal

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## DEPARTMENT OF ORAL AND MAXILLOFACIAL SURGERY

### COURSES WITH FOCUS ON COMPETENCY/EMPLOYABILITY/ENTREPRENEURSHIP/SKILL DEVELOPMENT

Name of the topic	Competency	Employability	Entrepreneurship	Skill development
Local Anesthesia	✓			
Techniques of Local anesthesia	✓	✓		✓
Complications of Local Anesthesia	✓	✓		✓
Future Trends of Local Anesthesia	✓	✓	✓	✓
General Anesthesia	✓			
Exodontia	✓	✓		✓
Management of Medical Emergencies	✓	✓	✓	✓
Management of Respiratory Distress	✓	✓		✓
Management of unconsciousness	✓	✓		✓
Impaction	✓	✓	✓	✓
Pre-Prosthetic Surgery	✓	✓	✓	✓
TMJ	✓			✓
Space Infection	✓			✓



Signature of IQAC Head

Chairperson, IQAC,  
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Signature Of HOD

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Maxillary Sinus	✓			✓
Salivary Gland	✓			✓
Mandibular Fracture	✓	✓		✓
Mid Face Fractures	✓	✓		✓
NOE/Orbital Fractures	✓	✓		✓
Zygomatic Fractures	✓	✓		✓
Cysts	✓	✓		✓
Tumors	✓	✓		✓
Nerve Injuries	✓			✓
Haemorrhage and Haemostasis	✓			
Orthognathic Surgery	✓			
Distraction osteogenesis	✓			
Cleft lip and Palate	✓			
Implants and Bone Grafts	✓	✓	✓	✓
Oral Cancer	✓			
Osteomyelitis and osteoradionecrosis	✓	✓		



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