

# Saveetha Institute of Medical and Technical Sciences

## Vision:

To be and to be recognized for setting the standards of excellence in professional education and high quality scientific research.

## Mission:

To Promote Academic Excellence, widen intellectual horizons, inculcate self discipline, and high ideals for the total personality development of individual to convert a novice into a competent professional with excellent theoretical knowledge and unsurpassed practical / clinical skills and to motivate interest in research activities, further education and social service.

# Saveetha Dental College

Saveetha Institute of Medical and Technical Sciences (SIMATS)

PO CO mapping for BDS (1501)

Program Outcome BDS 1501	
PO1	Patient assessment, diagnosis, comprehensive treatment planning, prognosis and informed consent
PO2:	Screening and risk assessment for head and neck cancer
PO3:	Recognizing the complexity of patient treatment and identifying when referral is indicated
PO4	Health Promotion and disease prevention, including caries management
PO5	Local anesthesia, pain and anxiety control including consideration of the impact of prescribing practices and substance use disorder
PO6	Restoration of teeth
PO7	Communicating and managing dental laboratory procedures in support of patient care
PO8	Replacement of teeth including fixed, removable and dental implant prosthodontic therapies
PO9	Periodontal therapy
PO10	Pulpal therapy
PO11	Oral mucosal and osseous disorders
PO12	Hard and soft tissue surgery
PO13	Dental emergencies
PO14	Malocclusion and space management
PO15	Evaluation of the outcomes of treatment, recall strategies and prognosis
PO16	Understanding the normal biological process and the structure and function of the human body with special emphasis on the head and neck.

PO 17	Understanding the deviations in the normal biological process and the structure and function of the human body with special emphasis on the head and neck.
PO18	Communication with other health professionals, labs and technical experts to understand, interpret and include in the planning and management of various dental diseases and disorders.
PO 19	Widen intellectual horizons by researching new information and contributing to the existing literature with novel discoveries to enhance the quality of health care for the society.
PO20	Develop fine motor skills to embrace the artistic aspects of orofacial therapy.

Course Details: BDS206: Preclinical Conservative dentistry and Endodontics		
Course Outcome		PO mapping
CO1	Virtual simulation for restorations	
CO2	To gain knowledge and practice Infection control, isolation of the operating field and magnification for preclinical working models	PO6
CO3	Have good knowledge on fundamentals of cariology, operative hand and rotary instruments, non-carious lesions, complex restorations.	PO4, PO6
CO4	Skill development for cavity preparation for direct and indirect restorations in typodont tooth models	PO6. PO20
CO5	To gain knowledge and know the importance of establishing proper contacts and contours in typodont tooth models	PO6, PO20
CO6	Restoration of teeth in typodont tooth models	PO6
CO7	Pulpal therapy, deep caries management in typodont tooth models	PO10
CO8	To gain knowledge on fundamentals of endodontic diagnosis, pulp and periradicular tissues and diseases, endodontic instruments.	PO1

CO9	Knowledge and skill development for basic endodontic treatment on acrylic models for both single and multi-rooted teeth	PO20
CO10	Perform cavity preparation, scanning, designing and milling for inlays, onlays, full veneer crowns in typodont tooth models using CAD-CAM.	PO6, PO7
	<b>Outcome Evaluation ( 500 marks)</b> Total Score ( 200 Summative, 300 formative = 500 marks)	<b>PO CO Mapping</b>
ST	Concept Map (4 x 5 = 20 marks)	PO1, PO4, PO6, PO10  CO2, CO3, CO4, CO5, CO6, CO7, CO8, CO9
ST	EBD Concept Map (1 x 5 = 5 marks)	PO1, PO4, PO6, PO10  CO2, CO3, CO4, CO5, CO6, CO7, CO8, CO9
ST	Objectives (90 x 0.5 = 45 marks)	PO1, PO4, PO6, PO10  CO2, CO3, CO4, CO5, CO6, CO7, CO8, CO9
SP	Practicals (90 marks)  (Class II amalgam restoration, Root canal treatment, Indirect restoration )	PO3, PO6  CO4, CO5, CO6, CO10
SV	Viva (20 marks)	PO1, PO4, PO6, PO10  CO2, CO3, CO4, CO5, CO6, CO7, CO8, CO9
FT	Weighted percentile scores of Periodic Tests converted for 50+20 marks	PO1, PO4, PO6, PO10  CO2, CO3, CO4,

		CO5, CO6, CO7, CO8, CO9
FT	Mean ARMS daily participation score converted for 100 marks.	PO1, PO4, PO6, PO10  CO2, CO3, CO4, CO5, CO6, CO7, CO8, CO9
FC	Practical exercise activity score - 100 marks  Documentations of Restorations-15, Root canal treatment-5, Indirect restorations(CAD-CAM)- 3 ( 100 marks)	PO3, PO6  CO4, CO5, CO6, CO10
FRC	Research poster / paper presentation / publication scores, and awards - 50 marks	PO19
<b>Legend:</b>		
<ul style="list-style-type: none"> <li>• ST SUMMATIVE THEORY,</li> <li>• SP SUMMATIVE PRACTICAL,</li> <li>• SV SUMMATIVE VIVA,</li> <li>• FT FORMATIVE THEORY,</li> <li>• FP FORMATIVE PRACTICAL,</li> <li>• FC FORMATIVE CLINICAL</li> <li>• FRC FORMATIVE RESEARCH - CO-CURRICULAR</li> </ul>		

Course Details: BDS206: Preclinical Conservative dentistry and Endodontics			
Outcome Analysis			
	Outcome Evaluation ( 500 marks)  Total Score ( 200 Summative, 300 formative = 500 marks)	PO CO Mapping	Outcome Analysis 2021
ST	Concept Map (4 x 5 = 20 marks)	PO1, PO4, PO6, PO10  CO2, CO3, CO4, CO5, CO6, CO7, CO8, CO9	75
ST	EBD Concept Map (1 x 5 = 5 marks)	PO1, PO4, PO6, PO10	75

		CO2, CO3, CO4, CO5, CO6, CO7, CO8, CO9	
ST	Objectives (90 x 0.5 = 45 marks)	PO1, PO4, PO6, PO10  CO2, CO3, CO4, CO5, CO6, CO7, CO8, CO9	75
SP	Practicals (90 marks)  (Class II amalgam restoration, Root canal treatment, Indirect restoration )	PO3, PO6  CO4, CO5, CO6,CO10	65
SV	Viva (20 marks)	PO1, PO4, PO6, PO10  CO2, CO3, CO4, CO5, CO6, CO7, CO8, CO9	20
FT	Weighted percentile scores of Periodic Tests converted for 50+20 marks	PO1, PO4, PO6, PO10  CO2, CO3, CO4, CO5, CO6, CO7, CO8, CO9	90
FT	Mean ARMS daily participation score converted for 100 marks.	PO1, PO4, PO6, PO10  CO2, CO3, CO4, CO5, CO6, CO7, CO8, CO9	90
FC	Practical exercise activity score - 100 marks  Documentations of Restorations-15, Root canal treatment-5, Indirect restorations(CAD-CAM)- 3 ( 100 marks)	PO3, PO6  CO4, CO5, CO6,CO10	90
FR C	Research poster / paper presentation / publication scores, and awards - 50 marks	PO19	40
<b>Legend:</b> <ul style="list-style-type: none"> <li>• ST SUMMATIVE THEORY,</li> <li>• SP SUMMATIVE PRACTICAL,</li> <li>• SV SUMMATIVE VIVA,</li> <li>• FT FORMATIVE THEORY,</li> </ul>			

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| <ul style="list-style-type: none"><li>• FP FORMATIVE PRACTICAL,</li><li>• FC FORMATIVE CLINICAL</li><li>• FRC FORMATIVE RESEARCH - CO-CURRICULAR</li></ul> |  |
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