

# 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: BDS410: Aesthetic Dentistry		
Course Outcome		PO mapping
CO1	Should have theoretical knowledge on Aesthetic dentistry including Diagnosis and management of discoloured tooth, Indirect ceramic veneering, direct composite veneers, Bleaching or Tooth whitening, Digital Smile Design, Single crowns and fixed partial dentures, periodontal procedures, gummy smile correction, ortho-aesthetic procedures and surgical aesthetic procedures	PO17
CO2	Ability to diagnose and formulate treatment plans for all aesthetic cases such as discoloured tooth and dental trauma clinical scenarios	PO1
CO3	Clinical dexterity in veneer preparation, composite layering techniques, impressions, vital and non-vital bleaching procedures.	PO20
CO4	Ability to manipulate and utilize dental materials for chair side and laboratory procedures	PO7
CO5	Should be competent in evidence based practices related to Aesthetic procedures	PO19
CO6	Should be able to administer local anaesthesia for various perio-aesthetic clinical procedures	PO5
CO7	Should be able to communicate with patients effectively and educate them about treatment needs.	PO15
	Outcome Evaluation ( 500 marks)  Total Score ( 200 Summative, 300 formative = 500 marks)	PO CO Mapping

ST	Concept Map (3 x 5 = 15 marks)	PO1, PO 16, PO 17 CO1, CO2, CO5, CO7,
ST	EBD Concept Map (1 x 5 = 5 marks)	PO1, PO 19 CO1, CO2, CO5,
ST	Objectives (50 x 1 = 50 marks)	PO1, PO 16, PO 17, CO1, CO2, CO5
SP	Practicals (90 marks)  (Composite Veneer / Ellis class II Fracture management - Case Selection, Veneer/Bevel preparation, Composite Restoration, Finishing and polishing)	PO1, PO3, PO4, PO5, PO6, PO13, PO14, PO15, PO20  CO2, CO3, CO4, CO5, CO6, CO7
SV	Viva (20 marks)	PO1, CO1, CO2, CO5
FT	Weighted percentile scores of Periodic Tests converted for 50+20 marks	PO1, CO1, CO2, CO5
FT	Mean ARMS daily participation score converted for 100 marks.	PO1, PO3, PO4, PO5, PO6, PO7, PO8, PO13, PO15, CO1, CO2, CO3, CO4, CO5, CO6, CO7
FC	Practical exercise activity score - 100 marks  Documentations of best cases (Veneer 1, Bleaching 1, Perio Aesthetic case 1 ) ( 100 marks),	PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO13, PO15, PO20  CO2, CO3, CO4, CO5 CO6, CO7, CO8
FRC	Research poster / paper presentation / publication scores, and awards - 50 marks	PO19, CO1, CO5, CO8

**Legend:**

- ST SUMMATIVE THEORY,
- SP SUMMATIVE PRACTICAL,
- SV SUMMATIVE VIVA,
- FT FORMATIVE THEORY,
- FP FORMATIVE PRACTICAL,
- FC FORMATIVE CLINICAL
- FRC FORMATIVE RESEARCH - CO-CURRICULAR

**Result Analysis :**

Course Details: BDS410: Aesthetic Dentistry			
Outcome Analysis			
	Outcome Evaluation ( 500 marks)  Total Score ( 200 Summative, 300 formative = 500 marks)	PO CO Mapping	Outcome Analysis 2021
ST	Concept Map (3 x 5 = 15 marks)	PO1, PO 16, PO 17  CO1, CO2, CO5, CO7	88
ST	EBD Concept Map (1 x 5 = 5 marks)	PO1, PO 19,  CO1, CO2, CO5,	88
ST	Objectives (50 x 1 = 50 marks)	PO1, PO 16, PO 17,  CO1, CO2, CO5, CO8	88

SP	Practicals (90 marks)  (Composite Veneer / Ellis class II Fracture management - Case Selection, Veneer/Bevel preparation, Composite Restoration, Finishing and polishing)	PO1, PO3, PO4, PO5, PO6, PO7, PO8, PO13, PO15,  CO2, CO3, CO4, CO5, CO6, CO7	79
SV	Viva (20 marks)	PO1, CO1, CO2, CO5, CO8	18
FT	Weighted percentile scores of Periodic Tests converted for 50+20 marks	PO1, CO1, CO2, CO5	67
FT	Mean ARMS daily participation score converted for 100 marks.	PO1, PO3, PO4, PO5, PO6, PO7, PO8, PO13, PO15,  CO1, CO2, CO3, CO4, CO5, CO6, CO7	90

FC	<p>Practical exercise activity score - 100 marks</p> <p>Documentations of best cases (Veneer 1, Bleaching 1, Perio Aesthetic case 1 ) ( 100 marks),</p>	<p>PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO13, PO15,</p> <p>CO2, CO3, CO4, CO5 CO6, CO7</p>	96
FR C	<p>Research poster / paper presentation / publication scores, and awards - 50 marks</p>	<p>PO19,</p> <p>CO1, CO5, CO8</p>	40
<p><b>Legend:</b></p> <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>			