

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 MDS

Program Outcome MDS	
PO1	Sound Theoretical Knowledge and Clinical / Practical Skills
PO2:	Ability to communicate and express concepts with basic pedagogical principles
PO3:	Sound Understanding of Research and ability to take up and complete independent research projects
PO4	Develop an aptitude for interdisciplinary diagnosis, prognosis and treatment planning.
PO5	Ability to apply and integrate basic science theory in their speciality knowledge.
PO6	Acquire sound principles in ethics and empathy

Program Specific Outcome MDS-Public Health Dentistry	
PSO1	Analysing and evaluating magnitude of disease and population profile of the target group and active planning of health care program for the community
PSO2	Thorough knowledge in role of primary and secondary contributing factors in dental caries initiation and progression
PSO3	Holistic training and expertise in integrating ecological and socio behavioural dimensions in to public health
PSO4	To provide preventive care in dentistry which includes pit and fissure sealant, topical fluorides, in a competent and ethical manner which will contribute to the oral health and general wellbeing of the individual and community
PSO5	CC1- mastering the art of preserving healthy tooth structure through prevention, remineralisation and minimal intervention
PSO6	CC2- Develop the skills to file a patent, publish, design the prototype and commercialize
PSO7	CC3- Design a research grant protocol and apply to an appropriate funding agent
PSO8	Understanding various forms of IPR, its relevance and business impact in the ever competitive global market including health care sector

PSO9	To understand and apply the concepts of nutritional guidance training and decision making in dental practice and in community programs at large
PSO10	To critically analyze the existing health care model and to build capacity to propose and formulate new models for the current global health scenario
PSO11	To formulate the health needs assessment in a community and implement an effective health care programme for the said community
PSO12	To understand the medico legal aspects governing dental practice and also the medico legal problems to be tackled during a community program planning

Course Details: MDS001: ABMS		
Course Outcome		PSO Mapping
CO1	Knowledge of applied Anatomy, Physiology, Biochemistry Physiology, Pathology, Microbiology in respective clinical specialties.	PO5
CO2	Knowledge and applications of molecular biology and genetics in disease pathogenesis, diagnosis in clinical practice	PO5
CO3	Knowledge of applied material sciences in developing treatment strategies	PO5
CO4	Knowledge on infection protocol in clinical practice	PO5
	<p style="text-align: center;">Outcome Evaluation (100 marks)</p> <p style="text-align: center;">Total Score (Summative = 100 marks)</p>	<p style="text-align: center;">PSO PO CO Mapping</p>
ST	Theory exam-100 marks	<p style="text-align: center;">PO5 CO1, CO2, CO3, CO4</p>

Result Analysis :

Outcome Analysis (100 marks)			
	Outcome Evaluation (100 marks) Total Score (Summative= 100 marks)	PO PSO CO Mapping	Outcome Analysis 2021
ST	Theory Exam	PO5 CO1, CO2, CO3, CO4	87

Course Details: MDS002: RESEARCH METHODOLOGY AND BIostatistics		
Course Outcome		PO Mapping
CO1	Should know the basics of clinical epidemiology	PO3
CO2	Should know the importance of ethics in research	PO3
CO3	Should have the knowledge of various study designs namely Cohort, Case control, Cross sectional, Clinical trial and Diagnostic studies	PO3
CO4	Should be able to define the hypothesis and frame the research question in PICO format	PO3
CO5	Should know the various reporting guidelines	PO3
CO6	Should be able to critically analyze the topic with emphasis on quality assessment	PO3
CO7	Understanding of Descriptive and Inferential statistical tests and interpretation	PO3

CO8	Knowledge on types of data and to arrive at sample size determination for the research projects to be undertaken using G power analysis	PO3
CO9	Knowledge on parametric and non parametric statistical analysis and choosing of appropriate tests based on the outcome variables	PO3
CO10	Application of Descriptive and Inferential statistical analysis of data using statistical software SPSS	PO3
Outcome Evaluation (100 marks)		PO PSO CO Mapping
Total Score (Summative = 100 marks)		
ST	Theory exam-100 marks	PO3 CO1, CO2, CO3, CO4, CO5, CO6, CO7, CO8, CO9
FT	Assessment of activities and assignments (100 marks)	PO3 CO1, CO2, CO3, CO4, CO5, CO6, CO7, CO8, CO9

Result Analysis :

Outcome Analysis (100 marks)			
	Outcome Evaluation (100 marks)	PO PSO CO Mapping	Outcome Analysis 2021
ST	Theory Exam	PO3 CO1, CO2, CO3, CO4, CO5, CO6, CO7, CO8, CO9	90
FT	Formative Assessment	PO3 CO1, CO2, CO3, CO4, CO5, CO6, CO7, CO8, CO9	67
Legend: <ul style="list-style-type: none"> • ST SUMMATIVE THEORY, • FT FORMATIVE THEORY 			

Course Details: MDS902: Community Profile analysis and Treatment Planning		
Course Outcome		PO mapping
CO1	To develop skills in using census data	PO4
CO2	To develop skills in population information	PO4
CO3	To incorporate population growth in planning efforts	PO4
CO4	To recognize and plan for the impact of population growth and distribution	PO4
CO5	To develop skills in formulation of Exhaustive Treatment Planning	PO4
	Outcome Evaluation (500 marks) Total Score (200 Summative, 300 formative = 500 marks)	PO PSO CO Mapping
ST	Concept Map (4 x 5 = 20 marks)	PO4,CO1,CO2,CO3,CO4,CO5
ST	EBD Concept Map (1 x 5 = 5 marks)	PO4,CO1,CO2,CO3,CO4,CO5
ST	Objectives (90 x 0.5 = 45 marks)	PO4,CO1,CO2,CO3,CO4,CO5
SP	Practicals (90 marks) (Case history -50, Viva -20, Problem solving-20)	PO4,CO1,CO2,CO3,CO4,CO5
SV	Viva (20 marks)	PO4,CO1,CO2,CO3,CO4,CO5

FT	Weighted percentile scores of Periodic Tests converted for 50+20 marks	PO4, CO1,CO2,CO3,CO4, CO5
FT	Mean ARMS daily participation score converted for 100 marks.	PO4, CO1,CO2,CO3,CO4, CO5
FC	Practical exercise activity score - 100 marks (Case history -50, Viva -20, Problem solving-20, Community diagnosis -10))	PO4, CO1,CO2,CO3,CO4, CO5
FRC	Research poster / paper presentation / publication scores, and awards - 50 marks	PO4, CO1,CO2,CO3,CO4, CO5
Legend:		
<ul style="list-style-type: none"> ● 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: MDS902: Community Profile analysis and Treatment Planning			
Outcome Analysis			
	Outcome Evaluation (500 marks)	PSO PO CO Mapping	Outcome Analysis 2021
	Total Score (200 Summative, 300 formative = 500 marks)		
ST	Concept Map (4 x 5 = 20 marks)	PO4, CO1,CO2,CO3,CO4,CO5	61
ST	EBD Concept Map (1 x 5 = 5 marks)	PO4 ,CO1,CO2,CO3,CO4,CO5	61
ST	Objectives (90 x 0.5 = 45 marks)	PO4, CO1,CO2,CO3,CO4,CO5	61

SP	Practicals (90 marks) (Case history -50, Viva -20, Problem solving-20)	PO4, CO1,CO2,CO3,CO4,CO5	64
SV	Viva (20 marks)	PO4, CO1,CO2,CO3,CO4,CO5	90
FT	Weighted percentile scores of Periodic Tests converted for 50+20 marks	PO4, CO1,CO2,CO3,CO4,CO5	64
FT	Mean ARMS daily participation score converted for 100 marks.	PO4, CO1,CO2,CO3,CO4,CO5	45
FC	Practical exercise activity score - 100 marks (Case history -50, Viva -20, Problem solving-20, Community diagnosis -10))	PO4, CO1,CO2,CO3,CO4,CO5	64
FRC	Research poster / paper presentation / publication scores, and awards - 50 marks	PO4, CO1,CO2,CO3,CO4,CO5	90
Legend:			
<ul style="list-style-type: none"> ● ST SUMMATIVE THEORY, ● SP SUMMATIVE PRACTICAL, ● SV SUMMATIVE VIVA, ● FT FORMATIVE THEORY, ● FP FORMATIVE PRACTICAL, ● FC FORMATIVE CLINICAL ● FRC FORMATIVE RESEARCH - CO-CURRICULAR 			

Course Details: MDS316: Cariology		
Course Outcome		PSO MAPPING
CO1	To know tooth development and dental developmental disorders and histopathology in relation to normal status and disease in the dental hard tissue	PSO2
CO2	To describe the importance of general health, psychological factors, medication and lifestyle in connection with oral health	PSO2
CO3	To know clinical, radiographic and modern caries diagnostic methods and diagnosis of different hard tissue injuries, causes, prevention and the possibility for reparative and prophylactic treatment	PSO2
CO4	To know principles and methods for chemical and mechanical plaque control and the mechanisms of fluoride and fluoride therapy in the preventive treatment	PSO2
CO5	To know principles and indications for preparations, selection, use and handling of materials and the complications of caries therapy, restorative failures as well as indications for repair/changes of dental restoration	PSO2
	<p style="text-align: center;">Outcome Evaluation (500 marks)</p> <p style="text-align: center;">Total Score (200 Summative, 300 formative = 500 marks)</p>	<p style="text-align: center;">PO PSO CO</p> <p style="text-align: center;">Mapping</p>
ST	Concept Map (4 x 5 = 20 marks)	PSO2, CO1, CO2, CO3, CO4, CO5, PO4
ST	EBD Concept Map (1 x 5 = 5 marks)	PSO2, CO1, CO2, CO3, CO4, CO5, PO4

ST	Objectives (90 x 0.5 = 45 marks)	PSO2, CO1, CO2, CO3, CO4, CO5, PO4
SP	Practicals (90 marks) (Caries risk assessment (cariogram)- 30, ICDAS -30, Viva 20, CAST index-10)	PSO2,CO1, CO2, CO3, CO4, CO5, PO4
SV	Viva (20 marks)	PSO2,CO1, CO2, CO3, CO4, CO5, PO4
FT	Weighted percentile scores of Periodic Tests converted for 50+20 marks	PSO2,CO1, CO2, CO3, CO4, CO5, PO4
FT	Mean ARMS daily participation score converted for 100 marks.	PSO2,CO1, CO2, CO3, CO4, CO5, PO4
FC	Practical exercise activity score - 100 marks (Caries risk assessment (cariogram)- 30, ICDAS -30, Viva 20, CAST index-10, Critical Analysis -10)	PSO2,CO1, CO2, CO3, CO4, CO5, PO4
FRC	Research poster / paper presentation / publication scores, and awards - 50 marks	PSO2,CO1, CO2, CO3, CO4, CO5, PO4
Legend:		
<ul style="list-style-type: none"> ● 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: MDS316: Cariology
Outcome Analysis

	Outcome Evaluation (500 marks) Total Score (200 Summative, 300 formative = 500 marks)	PO PSO CO Mapping	Outcome Analysis 2021 in percentage
ST	Concept Map (4 x 5 = 20 marks)	PSO2,CO1, CO2, CO3, CO4, CO5, PO4	84
ST	EBD Concept Map (1 x 5 = 5 marks)	PSO2,CO1, CO2, CO3, CO4, CO5, PO4	84
ST	Objectives (90 x 0.5 = 45 marks)	PSO2, CO1, CO2, CO3, CO4, CO5, PO4	84
SP	Practicals (90 marks) (Caries risk assessment (cariogram)- 30, ICDAS -30, Viva 20, CAST index-10)	PSO2,CO1, CO2, CO3, CO4, CO5, PO4	54
SV	Viva (20 marks)	PSO2,VCO1, CO2, CO3, CO4, CO5, PO4	80
FT	Weighted percentile scores of Periodic Tests converted for 50+20 marks	PSO2, CO1, CO2, CO3, CO4, CO5, PO4	87
FT	Mean ARMS daily participation score converted for 100 marks.	PSO2,CO1, CO2, CO3, CO4, CO5, PO4	87
FC	Practical exercise activity score - 100 marks (Caries risk assessment (cariogram)- 30, ICDAS -30, Viva 20, CAST index-10, Critical Analysis -10)	,PSO2, CO1, CO2, CO3, CO4, CO5, PO4	87

FRC	Research poster / paper presentation / publication scores, and awards - 50 marks	PSO2,CO1, CO2, CO3, CO4, CO5, PO4	90
Legend: <ul style="list-style-type: none"> ● ST SUMMATIVE THEORY, ● SP SUMMATIVE PRACTICAL, ● SV SUMMATIVE VIVA, ● FT FORMATIVE THEORY, ● FP FORMATIVE PRACTICAL, ● FC FORMATIVE CLINICAL ● FRC FORMATIVE RESEARCH - CO-CURRICULAR 			

Course Details: MDS924: Integrating Human Ecology and Socio-Behavioural Dimension in Public Health		
Course Outcome		PSO Mapping
CO1	To develop knowledge in environmental agents and health	PO5
CO2	To overcome the challenges faced in ecological public health	PO5

CO3	To understand the depth in concept of socio behavioural foundation in public health and primary health care	PO5
CO4	To know about the health behaviour and its effects on public health	PO5
CO5	To study in detail about the psycho social and cultural factors in health and illness and health literacy	PO5
	Outcome Evaluation (500 marks)	PO PSO CO Mapping
	Total Score (200 Summative, 300 formative = 500 marks)	
ST	Concept Map (4 x 5 = 20 marks)	PO 5, CO1, CO2, CO3, CO4, CO5
ST	EBD Concept Map (1 x 5 = 5 marks)	PO 5, CO1, CO2, CO3, CO4, CO5
ST	Objectives (90 x 0.5 = 45 marks)	PO 5, CO1, CO2, CO3, CO4, CO5
SP	Practicals (90 marks) (SWOT analysis -30, Problem solving -30, Journal discussion -30)	PO 5, CO1, CO2, CO3, CO4, CO5
SV	Viva (20 marks)	PO 5, CO1, CO2, CO3, CO4, CO5
FT	Weighted percentile scores of Periodic Tests converted for 50+20 marks	PO 5, CO1, CO2, CO3, CO4, CO5
FT	Mean ARMS daily participation score converted for 100 marks.	PO 5, CO1, CO2, CO3, CO4, CO5
FC	Practical exercise activity score - 100 marks (SWOT analysis -30, Problem solving -30, Journal discussion -30, Viva -10)	PO 5, CO1, CO2, CO3, CO4, CO5
FRC	Research poster / paper presentation / publication scores, and awards - 50 marks	PO 5, CO1, CO2, CO3, CO4, CO5
Legend:		
<ul style="list-style-type: none"> ● 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: MDS924: Integrating Human Ecology and Socio-Behavioural Dimension in Public Health			
Outcome Analysis			
	Outcome Evaluation (500 marks) Total Score (200 Summative, 300 formative = 500 marks)	PO PSO CO Mapping	Outcome Analysis 2021 in percentage
ST	Concept Map (4 x 5 = 20 marks)	PO 5, CO1, CO2, CO3, CO4, CO5	85
ST	EBD Concept Map (1 x 5 = 5 marks)	PO 5, CO1, CO2, CO3, CO4, CO5	85
ST	Objectives (90 x 0.5 = 45 marks)	PO 5, CO1, CO2, CO3, CO4, CO5	85
SP	Practicals (90 marks) (SWOT analysis -30, Problem solving -30, Journal discussion -30)	PO 5, CO1, CO2, CO3, CO4, CO5	85
SV	Viva (20 marks)	PO 5, CO1, CO2, CO3, CO4, CO5	80
FT	Weighted percentile scores of Periodic Tests converted for 50+20 marks	PO 5, CO1, CO2, CO3, CO4, CO5	72
FT	Mean ARMS daily participation score converted for 100 marks.	PO 5, CO1, CO2, CO3, CO4, CO5	72
FC	Practical exercise activity score - 100 marks (SWOT analysis -30, Problem solving -30, Journal discussion -30, Viva -10)	PO 5, CO1, CO2, CO3, CO4, CO5	85
FRC	Research poster / paper presentation / publication scores, and awards - 50 marks	PO 5, CO1, CO2, CO3, CO4, CO5	90

Legend:

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

Course Details: MDS828: PREVENTIVE DENTISTRY

Course Outcome		PSO Mapping
CO1	To describe the methods of recording caries and other diseases using different indices, thus diagnosing the illnesses at different stages of their development	PSO4
CO2	To explain the role and methodology of caries risk determination at individual and population level	PSO4
CO3	To critically evaluate information published in the literature on new caries and other disease risk factors and on new methods of classification and writing of caries and other diseases;	PSO4

CO4	To identify and describe the principles of evidence-based dentistry, their application at individual, group and population levels.	PSO4
CO5	To identify the patient's wishes, attitudes, ability to interact and requirements, taking this into account when developing a prevention and treatment plan	PSO4
	Outcome Evaluation (500 marks) Total Score (200 Summative, 300 formative = 500 marks)	PO PSO CO Mapping Outcome analysis 2021
ST	Concept Map (4 x 5 = 20 marks)	PSO4,CO1,CO2,CO3, CO4,CO5,CO6, PO4
ST	EBD Concept Map (1 x 5 = 5 marks)	PSO4, CO1,CO2,CO3, CO4,CO5,CO6,PO4
ST	Objectives (90 x 0.5 = 45 marks)	PSO4,CO1,CO2,CO3, CO4,CO5,CO6,PO4
SP	Practicals (90 marks) Case selection-20, Short case history-20, Preventive treatment-40, Journal discussion-10)	,PSO4, CO1,CO2,CO3, CO4,CO5,CO6,PO4
SV	Viva (20 marks)	PSO4, CO1,CO2,CO3,,PO4
FT	Weighted percentile scores of Periodic Tests converted for 50+20 marks	PSO4,CO1,CO2,CO3, CO4,CO5,CO6,PO4
FT	Mean ARMS daily participation score converted for 100 marks.	PSO4,CO1,CO2,CO3, ,PO4
FC	Practical exercise activity score - 100 marks Case selection-20, Short case history-20, Preventive treatment-40, Journal discussion-10, Viva-10)	,PSO4, CO1,CO2,CO3, CO4,CO5,CO6,,PO4
FRC	Research poster / paper presentation / publication scores, and awards - 50 marks	PSO4,CO1,CO2,CO3, CO4,CO5,CO6, ,PO4
Legend:		
<ul style="list-style-type: none"> ● 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: MDS828: PREVENTIVE DENTISTRY			
Outcome Analysis			
	Outcome Evaluation (500 marks) Total Score (200 Summative, 300 formative = 500 marks)	PO PSO CO Mapping	Outcome Analysis 2021 in percentage
ST	Concept Map (4 x 5 = 20 marks)	PSO4,CO1,CO2,CO3, CO4,CO5,CO6, PO4	85
ST	EBD Concept Map (1 x 5 = 5 marks)	PSO4,CO1,CO2,CO3, CO4,CO5,CO6,PO4	85
ST	Objectives (90 x 0.5 = 45 marks)	PSO4,CO1,CO2,CO3, CO4,CO5,CO6,PO4	85
SP	Practicals (90 marks) Case selection-20, Short case history-20, Preventive treatment-40, Journal discussion-10)	PSO4,CO1,CO2,CO3, CO4,CO5,CO6,,PO4	91
SV	Viva (20 marks)	PSO4,CO1,CO2,CO3,,PO4	90
FT	Weighted percentile scores of Periodic Tests converted for 50+20 marks	PSO4,CO1,CO2,CO3, CO4,CO5,CO6,PO4	85
FT	Mean ARMS daily participation score converted for 100 marks.	PSO4,CO1,CO2,CO3,,PO4	85

FC	Practical exercise activity score - 100 marks Case selection-20, Short case history-20, Preventive treatment-40, Journal discussion-10, Viva-10)	PSO4,CO1,CO2,CO3, CO4,CO5,CO6,PO4	73
FRC	Research poster / paper presentation / publication scores, and awards - 50 marks	PSO4,CO1,CO2,CO3, CO4,CO5,CO6,PO4	90
Legend:			
<ul style="list-style-type: none"> ● ST SUMMATIVE THEORY, ● SP SUMMATIVE PRACTICAL, ● SV SUMMATIVE VIVA, ● FT FORMATIVE THEORY, ● FP FORMATIVE PRACTICAL, ● FC FORMATIVE CLINICAL ● FRC FORMATIVE RESEARCH - CO-CURRICULAR 			

Course Details: MDS947: Intellectual Property Rights	
Course Outcome	PSO Mapping

CO1	To learn about the different types of IPR, including copyright, patent, and trademark, as well as the legal protections available for each of them.	PSO6
CO2	To Understand the process and benefits of acquiring and protecting your IPR.	PSO6
CO3	To Understand various aspects of intellectual property law, such as copyrights, trademarks, patents, designs, geographical indicators, and service marks.	PSO6
CO4	To gain expertise in IPR licensing and assignment and understand how IPR portfolios can be protected and commercialised.	PSO6
CO5	To understand the impact of international and local IPR laws on the rights of traditional communities and biodiversity.	PSO6
CO6	To Equip graduates for decision-making and leadership positions in any industry that leverages IPR, including new media, technology, and brand promotion.	PSO6
	<p style="text-align: center;">Outcome Evaluation (500 marks)</p> <p style="text-align: center;">Total Score (200 Summative, 300 formative = 500 marks)</p>	<p>PO PSO CO</p> <p>Mapping</p>
ST	Concept Map (4 x 5 = 20 marks)	PSO6,CO1,CO2,CO3,CO4,CO5,CO6, PO3
ST	EBD Concept Map (1 x 5 = 5 marks)	PSO6,CO1,CO2,CO3,CO4,CO5,CO6 ,PO3
ST	Objectives (90 x 0.5 = 45 marks)	PSO6,CO1,CO2,CO3,CO4,CO5,CO6,PO3
SP	Practicals (90 marks) (Patent drafting-40, Literature review-20, Critical thinking-30)	PSO6,CO1,CO2,CO3,CO4,CO5,CO6,PO3

SV	Viva (20 marks)	PSO6,CO1,CO2,CO3,CO4,CO5,CO6,PO3
FT	Weighted percentile scores of Periodic Tests converted for 50+20 marks	PSO6,CO1,CO2,CO3,CO4,CO5,CO6,PO3
FT	Mean ARMS daily participation score converted for 100 marks.	PSO6,CO1,CO2,CO3,CO4,CO5,CO6,PO3
FC	Practical exercise activity score - 100 marks (Patent drafting-40, Literature review-20, Critical thinking-30, Viva-10)	PSO6,CO1,CO2,CO3,CO4,CO5,CO6,PO3
FRC	Research poster / paper presentation / publication scores, and awards - 50 marks	PSO6,CO1,CO2,CO3,CO4,CO5,CO6,PO3
Legend: <ul style="list-style-type: none"> ● 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: Course Details: MDS947: Intellectual Property Rights			
Outcome Analysis			
	Outcome Evaluation (500 marks)	PO PSO CO Mapping	Outcome Analysis 2021 in percentage

	Total Score (200 Summative, 300 formative = 500 marks)		
ST	Concept Map (4 x 5 = 20 marks)	PSO6,CO1,CO2,CO3,CO4,CO5,CO6,PO3	NA
ST	EBD Concept Map (1 x 5 = 5 marks)	PSO6,CO1,CO2,CO3,CO4,CO5,CO6,PO3	NA
ST	Objectives (90 x 0.5 = 45 marks)	PSO6,CO1,CO2,CO3,CO4,CO5,CO6,PO3	NA
SP	Practicals (90 marks) (Patent drafting-40, Literature review-20, Critical thinking-30)	PSO6,CO1,CO2,CO3,CO4,CO5,CO6,PO3	NA
SV	Viva (20 marks)	PSO6,CO1,CO2,CO3,CO4,CO5,CO6,PO3	NA
FT	Weighted percentile scores of Periodic Tests converted for 50+20 marks	PSO6,CO1,CO2,CO3,CO4,CO5,CO6,PO3	NA
FT	Mean ARMS daily participation score converted for 100 marks.	PSO6,CO1,CO2,CO3,CO4,CO5,CO6,PO3	NA
FC	Practical exercise activity score - 100 marks (Patent drafting-40, Literature review-20, Critical thinking-30, Viva-10)	PSO6,CO1,CO2,CO3,CO4,CO5,CO6, ,PO3	NA
FRC	Research poster / paper presentation / publication scores, and awards - 50 marks	PO8, CO1,CO2,CO3,CO4,CO5,CO6, ,PO3	NA
Legend:			
<ul style="list-style-type: none"> ● ST SUMMATIVE THEORY, ● SP SUMMATIVE PRACTICAL, ● SV SUMMATIVE VIVA, ● FT FORMATIVE THEORY, ● FP FORMATIVE PRACTICAL, ● FC FORMATIVE CLINICAL ● FRC FORMATIVE RESEARCH - CO-CURRICULAR 			

Course Details: MDS928 Nutrition Guidance Training and Decision Making in Dentistry		
Course Outcome		PSO Mapping
CO1	To make them know the relationship between the nutritional supplement and oral health status.	PSO7
CO2	To make them let the community know about basic messages on food and nutrition.	PSO7
CO3	To make them help the community on choosing healthy food.	PSO7
CO4	To promote health and reduce the risk of developing chronic diseases.	PSO7
CO5	To know about the ill effects of malnutrition and give them prompt nutrition guidance and training	PSO7
	Outcome Evaluation (500 marks) Total Score (200 Summative, 300 formative = 500 marks)	PO PSO CO Mapping
ST	Concept Map (4 x 5 = 20 marks)	PSO7, CO1,CO2,CO3, CO4,CO5, PO5
ST	EBD Concept Map (1 x 5 = 5 marks)	PSO7, CO1,CO2,CO3,CO4,CO5,PO5
ST	Objectives (90 x 0.5 = 45 marks)	PSO7, CO1,CO2,CO3,CO4,CO5,PO5
SP	Practicals (90 marks) (DHDS Scoring-30, Nutritional counselling-40, Patient specific planning and suggestion-20)	PSO7, CO1,CO2,CO3,CO4,CO5, PO5

SV	Viva (20 marks)	PSO7, CO1,CO2,CO3,CO4,CO5, PO5
FT	Weighted percentile scores of Periodic Tests converted for 50+20 marks	PSO7, CO1,CO2,CO3,CO4,CO5, PO5
FT	Mean ARMS daily participation score converted for 100 marks.	PSO7, CO1,CO2,CO3,CO4,CO5, PO5
FC	Practical exercise activity score - 100 marks (DHDS Scoring-30, Nutritional counselling-40, Patient specific planning and suggestion-20, viva-10)	PSO7, CO1,CO2,CO3,CO4,CO5, PO5
FRC	Research poster / paper presentation / publication scores, and awards - 50 marks	PSO7, CO1,CO2,CO3,CO4,CO5, PO5
Legend:		
<ul style="list-style-type: none"> ● 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: MDS928 Nutrition Guidance Training and Decision Making in Dentistry			
Outcome Analysis			
	Outcome Evaluation (500 marks)	PO PSO CO Mapping	Outcome Analysis
	Total Score (200 Summative, 300 formative = 500 marks)		2021 in percentage
ST	Concept Map (4 x 5 = 20 marks)	PSO7,CO1,CO2,CO3, CO4,CO5, PO5	81

ST	EBD Concept Map (1 x 5 = 5 marks)	PSO7,CO1,CO2,CO3,CO4,CO5, PO5	81
ST	Objectives (90 x 0.5 = 45 marks)	PSO7,CO1,CO2,CO3,CO4,CO5, PO5	81
SP	Practicals (90 marks) (DHDS Scoring-30, Nutritional counselling-40, Patient specific planning and suggestion-20)	PSO7,CO1,CO2,CO3,CO4,CO5, PO5	83
SV	Viva (20 marks)	PSO7,CO1,CO2,CO3,CO4,CO5, PO5	85
FT	Weighted percentile scores of Periodic Tests converted for 50+20 marks	PSO7,CO1,CO2,CO3,CO4,CO5, PO5	89
FT	Mean ARMS daily participation score converted for 100 marks.	PSO7,CO1,CO2,CO3,CO4,CO5, PO5	89
FC	Practical exercise activity score - 100 marks (DHDS Scoring-30, Nutritional counselling-40, Patient specific planning and suggestion-20, viva-10)	PSO7,CO1,CO2,CO3,CO4,CO5, PO5	83
FRC	Research poster / paper presentation / publication scores, and awards - 50 marks	PSO7,CO1,CO2,CO3,CO4,CO5, PO5	90
Legend:			
<ul style="list-style-type: none"> ● ST SUMMATIVE THEORY, ● SP SUMMATIVE PRACTICAL, ● SV SUMMATIVE VIVA, ● FT FORMATIVE THEORY, ● FP FORMATIVE PRACTICAL, ● FC FORMATIVE CLINICAL ● FRC FORMATIVE RESEARCH - CO-CURRICULAR 			

Course Details: MDS930: Health care models in public health and dental public health		
Course Outcome		PSO Mapping
CO1	To study about health service classification, types of health services and hospital in operational design and efficiency	PSO8
CO2	To know about the models of health care and its services based on sources of funding	PSO8
CO3	To know about the international health care systems and different measurement levels of health	PSO8
CO4	To improve health promotion and the focus on health promotion	PSO8
CO5	To know about evaluation, critical appraisal and critical reflection using evidence based practice in health systems.	PSO8
	Outcome Evaluation (500 marks) Total Score (200 Summative, 300 formative = 500 marks)	PO PSO CO Mapping
ST	Concept Map (4 x 5 = 20 marks)	PSO8,CO1,CO2,CO3,CO4,CO5, PO1
ST	EBD Concept Map (1 x 5 = 5 marks)	PSO8,CO1,CO2,CO3,CO4,CO5,PO1
ST	Objectives (90 x 0.5 = 45 marks)	PSO8,CO1,CO2,CO3,CO4,CO5, PO1

SP	Practicals (90 marks) (Model formulation-50, Critical analysis-30, SWOT Analysis-10)	PSO8,CO1,CO2,CO3,CO4,CO5, PO1
SV	Viva (20 marks)	PSO8,CO1,CO2,CO3,CO4,CO5, PO1
FT	Weighted percentile scores of Periodic Tests converted for 50+20 marks	PSO8,CO1,CO2,CO3,CO4,CO5,PO1
FT	Mean ARMS daily participation score converted for 100 marks.	PSO8,CO1,CO2,CO3,CO4,CO5, PO1
FC	Practical exercise activity score - 100 marks (Model formulation-50, Critical analysis-30, SWOT Analysis-10, Viva-10)	PSO8,CO1,CO2,CO3,CO4,CO5, PO1
FRC	Research poster / paper presentation / publication scores, and awards - 50 marks	PSO8,CO1,CO2,CO3,CO4,CO5, PO1
Legend:		
<ul style="list-style-type: none"> ● 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: MDS930: Health care models in public health and dental public health			
Outcome Analysis			
	Outcome Evaluation (500 marks)	PO PSO CO Mapping	Outcome Analysis
	Total Score (200 Summative, 300 formative = 500 marks)		2021 in percentage

ST	Concept Map (4 x 5 = 20 marks)	PSO8,CO1,CO2,CO3,CO4,CO5, PO1	83
ST	EBD Concept Map (1 x 5 = 5 marks)	PSO8,CO1,CO2,CO3,CO4,CO5, PO1	83
ST	Objectives (90 x 0.5 = 45 marks)	PSO8,CO1,CO2,CO3,CO4,CO5, PO1	83
SP	Practicals (90 marks) (Model formulation-50, Critical analysis-30, SWOT Analysis-10)	PSO8,CO1,CO2,CO3,CO4,CO5, PO1	77
SV	Viva (20 marks)	PSO8,CO1,CO2,CO3,CO4,CO5, PO1	80
FT	Weighted percentile scores of Periodic Tests converted for 50+20 marks	PSO8,CO1,CO2,CO3,CO4,CO5,PO1	89
FT	Mean ARMS daily participation score converted for 100 marks.	PSO8,CO1,CO2,CO3,CO4,CO5,PO1	89
FC	Practical exercise activity score - 100 marks (Model formulation-50, Critical analysis-30, SWOT Analysis-10, Viva-10)	PSO8,CO1,CO2,CO3,CO4,CO5,PO1	80
FRC	Research poster / paper presentation / publication scores, and awards - 50 marks	PSO8,CO1,CO2,CO3,CO4,CO5, PO1	90
Legend:			
<ul style="list-style-type: none"> ● ST SUMMATIVE THEORY, ● SP SUMMATIVE PRACTICAL, ● SV SUMMATIVE VIVA, ● FT FORMATIVE THEORY, ● FP FORMATIVE PRACTICAL, ● FC FORMATIVE CLINICAL ● FRC FORMATIVE RESEARCH - CO-CURRICULAR 			

Course Details: MDS932: Health needs assessment, analysis and implementation

Course Outcome	PSO Mapping
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CO1	To understand the depth about assessing community needs and resources	PSO9
CO2	To formulate strategies to promote community health and development	PSO9
CO3	To device a strategic plan and organisation and structure for the initiative	PSO9
CO4	To know about the leadership and management in assessment of health needs	PSO9
CO5	To Increase the skills in analysing community problems and planning community interventions	PSO9
CO6	To plan about the implementing community intervention and to overcome its barriers	PSO9
	Outcome Evaluation (500 marks) Total Score (200 Summative, 300 formative = 500 marks)	PO PSO CO Mapping
ST	Concept Map (4 x 5 = 20 marks)	PSO9, CO1,CO2,CO3,CO4,CO5,CO6, PO4
ST	EBD Concept Map (1 x 5 = 5 marks)	PSO9, CO1,CO2,CO3,CO4,CO5,CO6,PO4
ST	Objectives (90 x 0.5 = 45 marks)	PSO9, CO1,CO2,CO3,CO4,CO5,CO6,PO4
SP	Practicals (90 marks) (Needs assessment-30, Community program planning-30, SWOT analysis-30)	PSO9, CO1,CO2,CO3,CO4,CO5,CO6,PO4
SV	Viva (20 marks)	PSO9, CO1,CO2,CO3,CO4,CO5,CO6, PO4

FT	Weighted percentile scores of Periodic Tests converted for 50+20 marks	PSO9,, CO1,CO2,CO3,CO4,CO5,CO6,PO4
FT	Mean ARMS daily participation score converted for 100 marks.	PSO9, CO1,CO2,CO3,CO4,CO5,CO6,PO4
FC	Practical exercise activity score - 100 marks (Needs assessment-30, Community program planning-30, SWOT analysis-30, Viva-10)	PSO9, CO1,CO2,CO3,CO4,CO5,CO6,PO4
FRC	Research poster / paper presentation / publication scores, and awards - 50 marks	PSO9, CO1,CO2,CO3,CO4,CO5,CO6,PO4
Legend:		
<ul style="list-style-type: none"> ● 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: MDS932: Health needs assessment, analysis and implementation			
Outcome Analysis			
	Outcome Evaluation (500 marks) Total Score (200 Summative, 300 formative = 500 marks)	PO PSO CO Mapping	Outcome Analysis 2021 in percentage
ST	Concept Map (4 x 5 = 20 marks)	PSO9,CO1,CO2,CO3,CO4,CO5,CO6, PO4	84

ST	EBD Concept Map (1 x 5 = 5 marks)	PSO9,CO1,CO2,CO3,CO4,CO5,CO6, PO4	84
ST	Objectives (90 x 0.5 = 45 marks)	PSO9,CO1,CO2,CO3,CO4,CO5,CO6, PO4	84
SP	Practicals (90 marks) (Needs assessment-30, Community program planning-30, SWOT analysis-30)	PSO9,CO1,CO2,CO3,CO4,CO5,CO6, PO4	82
SV	Viva (20 marks)	PSO9,CO1,CO2,CO3,CO4,CO5,CO6, PO4	85
FT	Weighted percentile scores of Periodic Tests converted for 50+20 marks	PSO9,CO1,CO2,CO3,CO4,CO5,CO6, PO4	89
FT	Mean ARMS daily participation score converted for 100 marks.	PSO9,CO1,CO2,CO3,CO4,CO5,CO6, PO4	89
FC	Practical exercise activity score - 100 marks (Needs assessment-30, Community program planning-30, SWOT analysis-30, Viva-10)	PSO9,CO1,CO2,CO3,CO4,CO5,CO6, PO4	89
FRC	Research poster / paper presentation / publication scores, and awards - 50 marks	PSO9,CO1,CO2,CO3,CO4,CO5,CO6, PO4	90
Legend:			
<ul style="list-style-type: none"> ● ST SUMMATIVE THEORY, ● SP SUMMATIVE PRACTICAL, ● SV SUMMATIVE VIVA, ● FT FORMATIVE THEORY, ● FP FORMATIVE PRACTICAL, ● FC FORMATIVE CLINICAL ● FRC FORMATIVE RESEARCH - CO-CURRICULAR 			

Course Details: MDS940 Legal Issues in HealthCare		
Course Outcome		PSO Mapping
CO1	To gain knowledge about Ethical oaths, Doctor patient relationship, Rights and Duties of Patient and Doctors, Ethic codes and State of Healthcare in India	PSO10
CO2	To gain knowledge on laws governing sale, storage of drugs, management of patients, environmental safety, patient's consent etc.,	PSO10
CO3	To gain knowledge about Paternalistic communication, technology and its importance in health care team	PSO10
CO4	To know the pre requisites of healthcare practices.	PSO10
CO5	To know the Duties and Obligation of Doctor, Patient, attendant, Dental colleagues.	PSO10
Outcome Evaluation (500 marks)		PO PSO CO Mapping
Total Score (200 Summative, 300 formative = 500 marks)		
ST	Concept Map (4 x 5 = 20 marks)	PSO10,CO1,CO2,CO3,CO4,CO 5, PO6
ST	EBD Concept Map (1 x 5 = 5 marks)	PSO10,CO1,CO2,CO3,CO4,CO 5,PO6
ST	Objectives (90 x 0.5 = 45 marks)	PSO10,CO1,CO2,CO3,CO4,CO 5,PO6
SP	Practicals (90 marks) (Medico legal case management-50, Problem solving-30, Journal discussion-10)	PSO10,CO1,CO2,CO3,CO4,CO 5,PO6
SV	Viva (20 marks)	PSO10,CO1,CO2,CO3,CO4,CO 5,PO6
FT	Weighted percentile scores of Periodic Tests converted for 50+20 marks	PSO10,CO1,CO2,CO3,CO4,CO 5,PO6

FT	Mean ARMS daily participation score converted for 100 marks.	PSO10,CO1,CO2,CO3,CO4,CO5,PO6
FC	Practical exercise activity score - 100 marks (Medico legal case management-50, Problem solving-30, Journal discussion-10, Viva-10)	PSO10,CO1,CO2,CO3,CO4,CO5,PO6
FRC	Research poster / paper presentation / publication scores, and awards - 50 marks	PSO10,CO1,CO2,CO3,CO4,CO5, PO6, PO3
Legend:		
<ul style="list-style-type: none"> ● 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: MDS940 Legal Issues in Health Care			
Outcome Analysis			
	Outcome Evaluation (500 marks)	PO PSO CO Mapping	Outcome Analysis
	Total Score (200 Summative, 300 formative = 500 marks)		2021 in percentage
ST	Concept Map (4 x 5 = 20 marks)	PSO10,CO1,CO2,CO3,CO4,C O5,PO6	79
ST	EBD Concept Map (1 x 5 = 5 marks)	PSO10,CO1,CO2,CO3,CO4,C O5,PO6	79
ST	Objectives (90 x 0.5 = 45 marks)	PSO10,CO1,CO2,CO3,CO4,C O5,PO6	79

SP	Practicals (90 marks) (Medico legal case management-50, Problem solving-30, Journal discussion-10)	PSO10,CO1,CO2,CO3,CO4,C O5,PO6	75
SV	Viva (20 marks)	PSO10,CO1,CO2,CO3,CO4,C O5,PO6	75
FT	Weighted percentile scores of Periodic Tests converted for 50+20 marks	PSO10,CO1,CO2,CO3,CO4,C O5,PO6	79
FT	Mean ARMS daily participation score converted for 100 marks.	PSO10,CO1,CO2,CO3,CO4,C O5,PO6	79
FC	Practical exercise activity score - 100 marks (Medico legal case management-50, Problem solving-30, Journal discussion-10, Viva-10)	PSO10,CO1,CO2,CO3,CO4,C O5,PO6	70
FRC	Research poster / paper presentation / publication scores, and awards - 50 marks	PSO10,CO1,CO2,CO3,CO4,C O5,PO6,PO3	90
Legend:			
<ul style="list-style-type: none"> ● ST SUMMATIVE THEORY, ● SP SUMMATIVE PRACTICAL, ● SV SUMMATIVE VIVA, ● FT FORMATIVE THEORY, ● FP FORMATIVE PRACTICAL, ● FC FORMATIVE CLINICAL ● FRC FORMATIVE RESEARCH - CO-CURRICULAR 			

Course Details: MDS948: Grant Writing and its Application

Course Outcome		PO Mapping
C01	Student should have appropriate knowledge on research methodology including descriptive and observational studies	PO5
C02	Should have the skill to analyse the data using various statistical tests	PO3
C03	Ability to frame research question and to state null and alternative hypothesis	PO5
C04	Should be able to identify errors in methodology and testing the hypothesis. Also, should have knowledge to overcome these bias	PO5

C05	Should have basic skills in calculating the sample size using different methods	PO3
C06	To write a research grant protocol considering all do's and don'ts with strong public health significance	PSO7
	Outcome Evaluation (500 marks) Total Score (200 Summative, 300 formative = 500 marks)	PO PSO CO Mapping
ST	Concept Map (4 x 5 = 20 marks)	PSO7, PO3, CO1, CO2
ST	EBD Concept Map (2 x 15 = 30 marks)	CO1, CO2, CO4, PSO7,PO3
ST	Objectives (50 x 1 = 50 marks)	CO4, CO5, CO6, PSO7,PO3
SP	Practicals (90 marks) Framing research question (20), Sample size calculation (20), drafting research grant proposal (50)	CO3, CO4, CO5, CO6, PSO7,PO3
SV	Viva (20 marks)	PO5, PO3, CO1, CO2, CO4, CO5
FT	Weighted percentile scores of Periodic Tests converted for 50+20 marks	PO5, PO3, CO1, CO2, CO4, CO5
FT	Mean ARMS daily participation score converted for 100 marks.	CO1, CO2, Co3, CO4, CO5,PSO7,PO5,PO3

FC	Practical exercise activity score - 100 marks Framing different types of research questions (15), Application of different research methods and statistical tests to test the hypothesis (15), Sample size calculation for various study designs (10), application of randomization, allocation concealment, blinding and regression techniques (15), drafting research grant proposal (20), Identifying and applying grant to appropriate funding agency (10)	PSO7, CO1, CO2, CO3, CO4, CO5, CO6,PO5,PO3
FRC	Research poster / paper presentation / publication scores, and awards - 50 marks	CO1, CO2, CO4, PSO7,PO3
Legend: <ul style="list-style-type: none"> · 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: MDS948: Grant Writing and its Application			
Outcome Analysis			
	Outcome Evaluation (500 marks)	PO PSO CO Mapping	Outcome Analysis
	Total Score (200 Summative, 300 formative = 500 marks)		2021

ST	Concept Map (4 x 5 = 20 marks)	PS07, PO3, CO1, CO2	75
ST	EBD Concept Map (2 x 15 = 30 marks)	CO1, CO2, CO4, PS07	75
ST	Objectives (50 x 1 = 50 marks)	CO4, CO5, CO6, PS07	75
SP	Practicals (90 marks) Framing research question (20), Sample size calculation (20), drafting research grant proposal (50)	CO3, CO4, CO5, CO6, PS07	75
SV	Viva (20 marks)	PO5,PO3,CO1, CO2, CO4, CO5	80
FT	Weighted percentile scores of Periodic Tests converted for 50+20 marks	PO5, PO3, CO1, CO2, CO4, CO5	79
FT	Mean ARMS daily participation score converted for 100 marks.	CO1, CO2, Co3, CO4, CO5,PS07, PO5,PO3	79
FC	Practical exercise activity score - 100 marks Framing different types of research questions (15), Application of different research methods and statistical tests to test the hypothesis (15), Sample size calculation for various study designs (10), application of randomization, allocation concealment, blinding and regression techniques (15), drafting research grant proposal (20), Identifying and applying grant to appropriate funding agency (10)	PS07, CO1, CO2, CO3, CO4, CO5, CO6, PO3,PO5	75
FRC	Research poster / paper presentation / publication scores, and awards - 50 marks	CO1, CO2, CO4, PS07,PO3	80

