

## **Program Structure Template**

School of Dental Sciences
BDS
(Bachelor of Dental Surgery)

SDS0101 (2021-26)



#### 1. Standard Structure of the Program at University Level

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#### 1.1 Vision, Mission and Core Values of the University

#### Vision of the University

To serve the society by being a global University of higher learning in pursuit of academic excellence, innovation and nurturing entrepreneurship.

#### **Mission of the University**

- 1. Transformative educational experience
- 2. Enrichment by educational initiatives that encourage global outlook
- 3. Develop research, support disruptive innovations and accelerate entrepreneurship
- **4.** Seeking beyond boundaries

#### **Core Values**

- 1. Integrity
- 2. Leadership
- 3. Diversity
- **4.** Community



#### 1.2 Vision, Mission and Core Values of the School

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#### **Vision of the School**

To serve the society by being a global center in pursuit of academic and professional excellence in the field of dentistry.

#### **Mission of the School**

- 1. Creating a stimulating and flexible learning environment amongst the faculty and students
- 2. Strongly promoting research, innovation, clinical excellence
- **3.** Promote and inculcate ethical values and continued betterment in the dental profession and in all facets of life.

#### **Core Values**

- 1. Integrity
- 2. Leadership
- 3. Diversity
- **4.** Community



#### 1.3 Program Educational Objectives (PEO)

#### **1.3.1** Writing Program Educational Objectives (PEO)

Program educational objectives are broad statements that describe the career and professional accomplishments that the program is preparing graduates to achieve.

- **PEO1** Adequate knowledge of the scientific foundations on which dentistry is based and good understanding of various relevant scientific methods, principles of Biological functions and be able to evaluate and analyse scientifically various established facts and data.
- **PEO2** Adequate knowledge of the development, structure and function of the teeth, mouth and jaws and associated tissues both in health and disease and their relationship and effect on general state of health and also bearing on physical and social well-being of the patient.
- **PEO3** Adequate knowledge of clinical disciplines and methods which provide a coherent picture of anomalies, lesions and diseases of the teeth, mouth and jaws and preventive diagnostic and therapeutic aspects of dentistry.
- **PEO4** Adequate clinical experience required for general dental practice.
- **PEO5** Adequate knowledge of the constitution, biological function and behavior of persons in health and sickness as well as the influence of the natural and social environment on the state of health in so far as it affects dentistry.



#### 1.3.3 Program Outcomes (PO's)

**PO1** A graduate should be able to diagnose and manage various common dental problems encountered in general dental practice keeping in mind the expectations and the right of the society to receive the best possible treatment available wherever possible. PO<sub>2</sub> A graduate should acquire the skill to prevent and manage complications if encountered while carrying out various surgical and other procedures. **PO3** A graduate should possess skill to carry out certain investigative procedures and ability to interpret laboratory findings. **PO4** A graduate should Promote oral health and help prevent oral diseases where possible. **PO5** A graduate should be Competent enough to control of pain and anxiety among the patients during dental treatment. **PO6** A graduate should maintain a high standard- of professional ethics and conduct and apply these aspects of professional life. in all A graduate should seek to improve awareness and provide possible solutions for oral health **PO7** problems and needs throughout the community. **PO8** Willing to apply the current knowledge of dentistry in the best interest of the patients and the community. **PO9** Willingness to participate in the CPED Programs to update the knowledge and professional skill from time to time. To help and participate in t implementation of the national oral health policy. PSO<sub>1</sub> A graduate should be sound and able to diagnose and plan out the treatment options for the patient including referral to specialist, where required. PSO<sub>2</sub> A graduate should be keen on inculcating life-long learning process and should have instilled

him or her the ethical values of the profession

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### Program Structure Template School of Dental Sciences Bachelor of Dental Surgery (BDS) Batch: 2021-2026

	n	G 11 4	Subjects	Teac	hing Lo	ad	Type of Course <sup>1</sup> -
S.No.	Paper ID	Subject Code		L	Т	P	1. CC, 2. AECC 3. SEC, 4.DSE
			Theory S	ubjects			
1.	BDS101	BDS101	General Human Anatomy including head and neck	100	-	-	CC
2.	BDS102	BDS102	Bio Chemistry	120	-	-	CC
3.	BDS102	BDS102	General Human Physiology	120	-	-	CC
4.	BDS103	BDS103	Dental Anatomy; Embryology and Histology	105	-	-	CC
			Practical/Viva	a-Voce/Ju	ury		
5.	BDS101	BDS101	General Human Anatomy including head and neck	-	-	175	CC
6.	BDS102	BDS102	Bio Chemistry	-	-	60	CC
7.	BDS102	BDS102	General Human Physiology	-	-	60	CC
8.	BDS103	BDS103	Dental Anatomy; Embryology and Histology	-	-	250	
		7	TOTAL CREDITS	_			NA



### Program Structure Template School of Dental Sciences Bachelor of Dental Surgery (BDS)

Batch: 2021-2026

				Te	aching I	Load	
S.No.	Paper ID	Subject Code	Subjects	L	T	P	Type of Course <sup>1</sup> - 1.CC, 2. AECC, 3.SEC, 4.DSE
			Theory Subjects				
1.	BDS20	BDS201	General Pathology	120	-	105	CC
2.	BDS20	BDS201	Microbiology	120	ı	105	CC
3.	BDS20 2	BDS202	General & Dental Pharmacology	70	ı	20	CC
4.	BDS20 3	BDS203	Dental Materials	80	ı	240	CC
	Practical/Viva-Voce/Jury						
5.	BDS25	BDS251	Pre-Clinical Prosthodontics an	25	-	300	CC
6.	BDS25	BDS252	Pre-Clinical Conservative Dent	25	-	200	CC
	TOTAL CREDITS						

<sup>&</sup>lt;sup>1</sup> CC: Core Course, AECC: Ability Enhancement Compulsory Courses, SEC: Skill Enhancement Courses, DSE: Discipline Specific Courses



### Program Structure Template School of Dental Sciences Bachelor of Dental Surgery (BDS) Batch: 2021-2026

				Tea	ching L	oad	
S.No.	Paper ID	Subject Code	Subjects	L	Т	P	Type of Course <sup>2</sup> - 1.CC, 2.AECC, 3.SEC, 4.DSE
	•		THEORY SUBJECT	r <b>S</b>			
1.	BDS30	BDS301	General Medicine	60	-	-	CC
2.	BDS30 2	BDS302	General Surgery	60	-	-	CC
3.	BDS30	BDS303	Oral Pathology and Microbiology	145	-	-	CC
			Practical/Viva-Voce/Jur	·y			
4.	BDS30	BDS301	General Medicine	-	-	90	CC
5.	BDS30 2	BDS302	General Surgery	-	-	90	CC
6.	BDS30	BDS303	Oral Pathology and Microbiology	-	-	80	CC
	TOTAL CREDITS						NA

<sup>&</sup>lt;sup>2</sup> CC: Core Course, AECC: Ability Enhancement Compulsory Courses, SEC: Skill Enhancement Courses, DSE: Discipline Specific Courses



### Program Structure Template School of Dental Sciences Bachelor of Dental Surgery (BDS) Batch: 2021-2026

	Donor	Paper Subject Subject	Te	aching	Load	Type of Course <sup>3</sup> -	
S.No.	ID	Code	Subjects	L	T	P	1.CC, 2. AECC, 3.SEC, 4.DSE
			Theory Subjects				
1.	BDS40	BDS401	Public Health Dentistry	60	-	=	CC
2.	BDS40 2	BDS402	Periodontology	80	1	ı	CC
3.	BDS40	BDS403	Orthodontics & Dentofacial Ort	50	1	ı	CC
4.	BDS40 4	BDS404	Oral Medicine & Radiology	65	1	ı	CC
5.	BDS40 5	BDS405	Oral & Maxillofacial Surgery	70	ı	ı	CC
6.	BDS40 6	BDS406	Conservative Dentistry & Endod	110	ı	ı	CC
7.	BDS40 7	BDS407	Prosthodontics and Crown & Bri	110	-	-	CC
8.	BDS40 8	BDS408	Paediatric and Preventive Dent	65	1	-	CC

			Practical/Viva-Voce/Ju	ry			
9.	BDS401	BDS401	Public Health Dentistry	-	-	290	CC
10.	BDS402	BDS402	Periodontology	-	-	200	CC
11.	BDS403	BDS403	Orthodontics & Dentofacial Ort	-	-	200	CC
12.	BDS404	BDS404	Oral Medicine & Radiology	-	-	200	CC
13.	BDS405	BDS405	Oral & Maxillofacial Surgery	-	-	360	CC
14.	BDS406	BDS406	Conservative Dentistry & Endod	-	-	460	CC
15.	BDS407	BDS407	Prosthodontics and Crown & Bri	-	-	460	CC
16.	BDS408	BDS408	Paediatric and Preventive Dent	-	-	200	CC
	TOTAL CREDITS					NA	

<sup>&</sup>lt;sup>3</sup> CC: Core Course, AECC: Ability Enhancement Compulsory Courses, SEC: Skill Enhancement Courses, DSE: Discipline Specific Courses



## Course Templates – Year 1

2.1 Template A1: Syllabus

	Template A1: Synabus	
	nool: School of Dental	Batch: 2021-2026
Sci	ences	
Pro	gram:	BDS (Bachelor of Dental Surgery)
1	Course Code	BDS101
2	Course Title	General Human Anatomy including embryology & histology
3	Credits	NA
4	<b>Contact Hours</b>	100-0-175
	(L-T-P)	
	Course Type	Compulsory (CORE)
5	Course Objective	<ol> <li>To know the normal disposition of the structures in the body while clinically examining a patient and while conducting clinical procedures.</li> <li>To know the anatomical basis of disease and injury.</li> <li>To know the microscopic structure of the various tissues, a pre-requisite for understanding of the disease processes.</li> <li>To know the nervous system to locate the site of lesions according to the sensory and or motor deficits encountered.</li> <li>To have an idea about the basis of abnormal development, critical stages of development, effects of teratogens, genetic mutations and environmental hazards.</li> <li>To know the sectional anatomy of head neck and brain to read the features in radiographs and pictures taken by modern imaging techniques.</li> <li>To know the anatomy of cardio-pulmonary</li> </ol>
6	Course Outcomes	resuscitation.  CO101.1: Dental student with knowledge on normal disposition of the structures in the body, microscopic structure of the various tissues,
		nervous system to locate the site of lesions, sectional anatomy of head neck and brain  CO101.2: Dental student possessing skills to locate various structures of head and neck of the body, identify various tissues under microscope  CO101.3: Dental student with an integrated knowledge on basic sciences and clinical subjects
	<u> </u>	
7	Course Description	The course provides knowledge and insight into, the functional anatomy of the normal human head and neck, functional histology and an appreciation of the genetic basis of inheritance and disease, and the embryological development of clinically important structures



8	Outline syllab	ous	
	BDS101.A	Unit A INTR	ODUCTION
	BDS101.A1	Unit A Topic 1	Anatomical terms. Skin, superficial fascia & deep fascia Cardiovascular system, portal system collateral circulation and arteries.
	BDS101.A2	Unit A Topic 2	Lymphatic system, regional lymph nodes. Osteology - Including ossification & growth of bones. Myology – Including types of muscle tissue & innervations.
	BDS101.A3	Unit A Topic 3	Syndesmology – Including classification of Joints. Nervous system
	BDS101.B	Unit B HEAD &	& NECK
	BDS101.B1	Unit B Topic 1	Head and neck
	BDS101.B2	Unit B Topic 2	Thorax
	BDS101.B3	Unit B Topic 3	Abdomen
	BDS101.B4	Unit B Topic 4	Clinical procedures
	BDS101 C Unit C EMBRY		OLOGY
	BDS101.C1	Unit C Topic 1	Oogenesis, Spermatogenesis, Fertilisation, Placenta, Primitive streak, Neural crest,
	BDS101.C2	Unit C Topic 2	Bilaminar and trilaminar embryonic disc, Intra embryonic mesoderm
	BDS101.C3	Unit C Topic 3	Formation and face, notochord formation & fate, Pharyngeal arches, pouches & clefts

BI	DS101.C4	Unit C	Development of face, tongue, palate, thyroid gland, pituitary gland,				
		Topic 4	salivary glands, and anomalies in their development				
BI	DS101.C5	Unit C	Tooth development in brief.				
		Topic 5					
BI	OS101 D	Unit D					
		HISTOLO	GY				
BI	OS101 D1	Unit D	The Cell				
		Topic 1					
BI	DS101 D2	Unit D	Basic tissues - Epithelium, Connective tissue including cartilage				
		Topic 2	and bone, Muscle Tissue, Nervous tissue: Peripheral nerve, optic				
			nerve, sensory ganglion, motor ganglion, Skin				
BI	DS101 D3	Unit D	Classification of Glands				
		Topic 3	Salivary glands (serous, mucous and mixed gland)				

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	BDS101 D4	Unit D	Blood vessels, Lymphoid tissue		
		Topic 4			
	<b>BDS101 D5</b>	Unit D	Tooth, lip, tongue, hard palate, oesophagus, stomach,		
		Topic 5	duodenum ,ileum, colon, vermiform appendix Liver, Pancreas,		
			Lung, Trachea ,Epiglottis		
	<b>BDS101 D6</b>	Unit D	Thyroid gland, para thyroid gland, supra renal gland and		
		Topic 6	pituitary gland, Kidney, Ureter, Urinary bladder, Ovary and		
			testis.		
	<b>BDS101 E</b>	Unit E			
			L GENETICS		
	BDS101.E1	Unit E	Mitosis, meiosis		
		Topic 1			
	BDS101 E2	Unit E	Chromosomes, gene structure		
	DDC101 E2	Topic 2 Unit E	Mandalian, madas of inhanitanas		
	BDS101.E3	Topic 3	Mendelism, modes of inheritance		
		Attendan			
		ce	Minimum 75% is Needed for both theory and clinical practical		
	Course	Quizzes	Taken in every 3 months		
		Presentat	·		
		ions	Video Presentation		
1		Any			
•	evaluation	Other	Project based learning, Assignments		
		Annual	Theory-100 Marks		
		examinat	Practical – 100 Marks		
		ion			
			LL (Richard S.) Clinical Anatomy for Medical Students, Ed. 5,		
		2. RJ L	AST'S Anatomy – 9th edition.		
			ningham Manual of Practical Anatomy: Head & Neck & Brain		
			5.Vol.III, Oxford Medical publication.		
2	Text book/s*		ctional Histology, Ed. 2, Churchill Livingstone.		
•		5. Med	ical Embryology, Ed. 6.		
		6. Grar	nt's Atlas of Anatomy. Williams & Wilkins.		
			LIAMS, Gray's Anatomy, Ed.38., Churchill Livingstone.		
			ERY, Medical Genetics.		
			. Chaurasia		
3	Other	TED learn			
	References	EBSCOHO			
Ĺ		Various sc	ientific articles from various sources		



# Course Templates – 2.1 Template A1: Syllabus

Sch	nool: School of Dental	Batch: 2021-2026					
Sci	ences						
Pro	gram:	BDS (Bachelor of Dental Surgery)					
1	Course Code	BDS 102					
2	Course Title	Bio Chemistry; General Human Physiology					
3	Credits	NA					
4	<b>Contact Hours</b>	120-0-60					
	(L-T-P)						
	Course Type	Compulsory (CORE)					
5	Course Objective	<ol> <li>To provide a sound but crisp knowledge on the biochemical basis of the life processes relevant to the human system and to dental/medical practice.</li> <li>The chemistry portion should strive towards providing information on the functional groups, hydrophobic and hydrophilic moieties and weak valence forces that organise macromolecules.</li> </ol>					
6	Course Outcomes	CO102.1: Dental student with knowledge on normal functioning of all the organ systems and their interactions, relative contribution of each organ system towards the maintenance of total body function, physiological principles underlying the pathogenesis of various diseases and oral and para - oral structures.  CO102.2: Dental student with basic skill to conduct and interpret experimental and investigative data  CO102.3: Dental student with knowledge on biochemical agents related to dentistry, various micro and macro nutrients.					
7	Course Description	Students will be able to excel in their knowledge about the human body, its various organ systems, their compositions and functions. Students will also be efficient to determine and to undertake various investigatory lab procedures, biochemical analysis and advanced diagnostic procedures prevalent in the medical field.					

8	Outline syllabus	
	BDS102.A	Unit A
		CHEMISTRY OF BIOORGANIC MOLECULES

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		Beyond
BDS102.A1	Unit A	Carbohydrates
	Topic 1	
BDS102.A2	Unit A	proteins
	Topic 2	
BDS102.A3	Unit A	Lipids
	Topic 3	
BDS102.A4	Unit A	Nucleic Acids
	Topic 4	
BDS102.B	Unit B	
	MACRO	NUTERIENTS AND DIGESTION, MICRONUTRIENTS
BDS102.B1	Unit B	Energy needs: Basal metabolic rate
	Topic 1	
BDS102 B2	Unit B	Enzymatic hydrolysis of dietary carbohydrates
· -	Topic 2	, , , , , , , , , , , , , , , , , , , ,
BDS102 B3	Unit B	Vitamins
· <del>- •</del>	Topic 3	
BDS102 B4	Unit B	Minerals
	Topic 4	
BDS102 C	Unit C	•
		METABOLISM
BDS102 C1	Unit C	Overview: Outlines of glycolysis, pyruvate oxidation and citric
	Topic 1	acid cycle.
BDS102 C2	Unit C	CO102.1
	Topic 2	
BDS102 C3	Unit C	Importance of pentose phosphate pathway. Formation of
	Topic 3	glucuronic acid. Outlines of cholesterol synthesis and breakdowr
BDS102 C4	Unit C	DIOCHENICAL CENTERICS AND DECEM
	Topic 4	BIOCHEMICAL GENETICS AND PROTEI
DDC104 CF		SYNTHESIS
BDS102 C5	Unit C	ENZYME AND METABOLIC REGULATION
	Topic 5	
BDS102 D	Unit D	
	STRUCT	TURAL COMPONENTS AND BLOOD PROTEINS
	Jineer	CHIL COM CHANG MAD BLOOD INCIDENT
BDS102 D1	Unit D	Connective Tissue
	Topic 1	
BDS102 D2	Unit D	Haemoglobin
	Topic 2	
BDS102 E	Unit E	<u> </u>
		L BIOCHEMISTRY
DDC102 E1	Unit E	
BDS102 E1		Regulation of blood glucose. Diabetes mellitus and related disorders
BDS102 E2	Topic 1 Unit E	Liver function tests
DD3104 E4		Liver fullction tests
	Topic 2	

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BDS102.E3	Unit E	Hyperthyroidism and Hypothyroidism: Biochemical evaluation.
	Topic 3	
BDS102 E4	Unit E	Inborn errors of amino acid metabolism and muscular dystrophy
	Topic 4	
<b>BDS102 F</b>	Unit F	
	GENERA	L PHYSIOLOGY
BDS102 F1	Unit F	Composition and functions of Blood
<b>DD</b> 010211	Topic 1	Composition and randicions of Brood
BDS102 F2	Unit F	Muscles and Nerve
<b>DD</b> 010212	Topic21	Widdles and Weive
BDS102 F3	Unit F	Digestive system
<b>DD</b> 510213	Topic 3	Digestive system
BDS102 F4	Unit F	Excretory system
<b>DD</b> 510214	Topic 4	Exercisity system
BDS102 F5	Unit F	Body temperature and functions of skin
<b>DD</b> 510213	Topic 5	Body temperature and ranctions of skin
BDS102 F6	Unit F	Endocrinology
<b>DD</b> 010210	Topic 6	Lindochmology
BDS102 F7	Unit F	Reproduction
<b>DD</b> 010217	Topic 7	Reproduction
BDS102 F8	Unit F	Cardiovascular system
<b>DD</b> 510210	Topic 8	Carare vascular system
BDS102 F9	Unit F	Respiratory system
<b>DD</b> 010217	Topic 9	Respiratory system
BDS102 F10	Unit F	Central nervous system
<b>DD</b> 5102110	Topic 10	Central Hervous system
BDS102 G	-	CAL PHYSIOLOGY
BDS102 G1	Unit G	Physiologic procedures
<b>DD</b> 5102 G1	Topic 1	Thysiologic procedures
BDS102 G2	Unit G	Demonstrations
	Topic 1	Seriousidadons
BDS102 G3	Unit G	Electrocardiography
DD0102 G5	Topic 1	Licetiocalalogiaphy
BDS102 G4	Unit G	Clinical examinations of Organ systems
DDDIV2 GT	Topic 1	Chilled Chairmid to 13 of Organ Systems
	1 Topic 1	



		Attendance Minimum 75% is Needed for both theory and clini		
		Quizzes	Taken in every 3 months	
	Course	Presentations	Video Presentation	
1.	evaluation	Any Other	Project based learning, flip learning, Assignments, Webinars	
	Cvalaation	Annual	Theory-100 Marks	
		examination		
			Text book of Physiology, 9th edition.	
		_	Review of Medical Physiology, 19th edition Vander; Human	
		physiology,		
			ary; Concise Medical Physiology, 2nd edition Chaterjee; Human	
		Physiology,	10th edition	
2.	Text book/s*	4. A.K. Jaii	n; Human Physiology for BDS students, 1st edition	
-	20110 200142	5 Concise	text book of Biochemistry (3 <sup>rd</sup> edition) 2001,	
			nal Biochemistry 1995,	
			· · · · · · · · · · · · · · · · · · ·	
			ok of Biochemistry with clinical correlations 1997,	
			nistry, 1996. R.K. Murray et.	
		Basic and applied Dental Biochemistry, 1979, R.A.D.		
		TED learning		
3.	Other	EBSCOHOST		
3.	References	Various scienti	ific articles from	
		various sources	s	



### 2.1 Template A1: Syllabus

Sch	ool: School of Dental Sciences	BDS (Bachelor of Dental Surgery)		
Pro	gram:			
1	Course Code	BDS103		
2	Course Title	Dental Anatomy, Embryology & Oral Histology		
3	Credits			
4	Contact Hours (L-T-P)	105-0-250		
	Course Status	Compulsory (CORE)		
5	Course Objective	<ol> <li>To make students learn about anatomy of teeth.</li> <li>To educate students about histology of oral tissues.</li> <li>To prepare students about understanding of clinical applications of teeth anatomy.</li> <li>To make students competent about understanding of clinical applications of oral histology.</li> </ol>		
6	Course Outcomes	CO103.1: At the end of the course, student is expected to appreciate the normal development, morphology, structure and function of oral tissues & variations in different pathological/non-pathological states.  CO103.2: The student should understand the histological basis of various dental treatment procedures.  CO103.3: The students must know the basic knowledge of physiologic ageing process in the dental tissues.  CO103.4: Professional honesty and integrity are to be fostered		
7	Course Description	Under dental anatomy we make students thoroughly understand about anatomy of teeth. Under histology they are made aware of all the tissues in the oral cavity. We also teach them about basic embryology pertaining to oral tissues.		
8	Outline syllabus	<b>1</b>		



		Unit A	Tooth Morphology	
	BDS-103. A.1	Topic 1	Human dentition, type	s of teeth and functions, Tooth
		_	numbering systems, To	ooth surfaces and their
			junctions- line angles a	nd point angles. Definition of
			terms used in dental m	orphology, geometric concepts
			in tooth morphology, o	contact areas and embrasures-
			Clinical significance.	
	BDS-103. A.2	Topic 2	Morphology of decidud	ous & permanent teeth
	BDS-103. A.3	Topic 3	Occlusion	
		Unit B	Oral Embryology	
	BDS-103. B.1	Topic 1	Brief Review of Develo	pment of face, jaws, lip, palate
			and tongue with applie	ed aspects.
	BDS-103. B.2	Topic 2	Development of teeth	with applied aspects.
	BDS-103. B.3	Topic 3	Eruption of deciduous	and permanent teeth. Applied
			aspect of eruption and	Shedding of teeth and its
			complications	
		Unit C	Oral Histology of hard	
	BDS-103. C.1	Topic 1	Detailed microscopic s	tudy of enamel
	BDS-103. C.2	Topic 2	Dentin, cementum	
	BDS-103. C.3	Topic 3	Alveolar bone, Tempo	-
		Unit D	Oral histology of soft t	
	BDS-103. D.1	Topic 1	Pulp tissue Periodonta	
	BDS-103. D.2	Topic 2	Oral Mucosa, Salivary §	
	BDS-103. D.3	Topic 3	_	soft tissues for microscopic
			studies	
		Unit E	Oral Physiology	
	BDS-103. E.1	Topic 1	Saliva, Mastication, De	
	BDS-103. E.2	Topic 2		nd Fluoride Metabolism
	BDS-103. E.3	Topic 3	Theories of mineraliz speech	zation, Physiology of taste and
1.	Course	Attendance		eded for both theory and
1.	Evaluation		clinical practical	saca for some mosty and
	2,41441011	Orizona	-	
		Quizzes Presentations	Taken every 3 month	IS
			Video presentations	
		Any other Annual Examination	Project based learning	g, assignments 100 Marks
		Annual Examination	Theory	
		A 44 - 11 - 11 - 11 - 11	Practical	100 Marks
		Attendance		eded for both theory and
2		Text book/s*	clinical practical	polore James & Avery
2. 3.		Other References	LMS	eelers, James & Avery
٥.		Other References		
			TED learning EBSCOHOST	
			Scientific articles	
			Webinars	



## Course Templates – 2.1 Template A1: Syllabus for Theory Subjects

	nool: School of Dental	Batch: 2021-2026		
	ences	Batch: 2021-2020		
		DDC (Dockslan of Dontal Consons)		
	ogram:	BDS (Bachelor of Dental Surgery)		
1	Course Code	BDS201		
2	Course Title	General Pathology & Microbiology		
3	Credits	NA		
4	<b>Contact Hours</b>	120-0-105		
	(L-T-P)			
	Course Type	Compulsory (CORE)		
5	Course Objective	<ol> <li>To demonstrate and apply basic facts, concepts and theories in the field of Pathology.</li> <li>To recognize and analyze pathological changes at macroscopically</li> </ol>		
		and microscopical levels and explain their observations in terms of disease processes.		
		3. To integrate knowledge from the basic sciences, clinical medicine and dentistry in the study of Pathology.		
		4. To demonstrate understanding of the capabilities and limitations of morphological Pathology in its contribution to medicine, dentistry and biological research.		
		5. Understand the basics of various branches of microbiology and able to apply the knowledge relevantly.		
		6. Have a sound understanding of various infectious diseases and lesions in the oral cavity.		
		7. To demonstrate ability to consult resource materials outside lectures, laboratory and tutorial classes.		
6	Course Outcomes	CO201.1 Dental student with knowledge on pathological changes at macroscopic and microscopic levels, capabilities and limitations of morphological pathology in its contribution to dentistry.		
		CO201.2 Dental student with an ability to integrate knowledge from the basic sciences to clinical application in dentistry.		
		CO201.3 Dental student with sound understanding of various infectious diseases and lesions in the oral cavity, various methods of Sterilisation and disinfection.		
		CO201.4 Dental student with basic skills to select, collect and transport clinical specimens to the laboratory and be able to carry out proper aseptic procedures in the dental clinic.		

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7	Course Description	At the end of the course the student should be competent to:	
		<ul> <li>Apply the scientific study of disease processes, which result in morphological and functional alterations in cells, tissues and organs to the study of pathology and the practice of dentistry.</li> </ul>	
		Able to apply this knowledge in their clinical practice.	
		<ul> <li>Apply the knowledge gained in related medical subjects like General Medicine and General Surgery and Dental subjects like Oral Pathology, Community Dentistry, Periodontics, Oral Surgery, Pedodontics, Conservative Dentistry and Oral medicine in higher classes.</li> </ul>	
		<ul> <li>Understand and practice various methods of Sterilisation and disinfection in dental clinics.</li> </ul>	

8	Outline syllabu	S	
	BDS-201 A	Unit A	
	BDS-201 A1	Topic 1	Introduction to Pathology, etiology and Pathogenesis of Disease.  General Microbiology:  - History, Introduction, Scope, Aims and Objectives.  - Morphology and Physiology of bacteria.  - Bacterial Genetics and Drug Resistance in bacteria.
	BDS-201 A2	Topic 2	Degenerations Amyloidosis, Fatty change, apoptosis, necrosis, gangrene, calcifications.
			Detail account of Sterlization and Disinfection. Brief account of Culture media and Culture techniques. Basic knowledge of selection, collection, transport, processing of clinical specimens and identification of bacteria
	BDS-201 A3	Topic 3	Inflammation  - Definition, causes types, and features: Acute inflammation, chronic inflammation.  Healing  - Regeneration - Repair  Bacterial Genetics and Drug Resistance in bacteria.
	BDS-201 B	Unit B	
	BDS-201 B1	Topic 1	Tuberculosis- (Epidemiology, Pathogenesis, Pathological features of Primary and secondary TB, complications and fate)
			Syphilis- (Epidemiology, types and stages of syphilis, Pathological features, diagnostic criteria, oral lesions)



			Typhoid- (Epidemiology, Pathogenesis, Pathological features, Diagnostic criteria)
			Immunology:
			- Infection - Definition, Classification,
			Source,
			- Mode of transmission and types of Infectious disease.
			- Immunity
			- Structure and functions of Immune system
			- The Complement System
			- Antigen
			- Immunoglobulins - Antibodies - General
			structure and the role played in defense
			mechanism of the body.
			- Immune response
			- Antigen - Antibody reactions - with reference to clinical utility.
			- Immuno deficiency disorders - a brief knowledge of various types of immunodeficiency disorders - A
			sound knowledge of immuno deficiency disorders
			relevant to dentistry.
			- Hypersensitivity reactions
			- Autoimmune disorders - Basic knowledge
			of various types - sound knowledge of
			autoimmune disorders of oral cavity and
			related structures.
			<ul><li>Immunology of Transplantation and Malignancy</li><li>Immunehaematology</li></ul>
			- Inmunchachiatology
BD	S-201 B2		Thrombosis, Embolism, Ischaemia and Infraction
		Topic 2	
			Systematic bacteriology:
			- Pyogenic cocci - Staphylococcus, Streptococcus,
			Pneumococcus, Gonococcus,
			- Meningococcus— brief account of each coccus - detailed
			account of mode of spread, laboratory diagnosis, Chemo therapy
			and prevention - Detailed account of Cariogenic Streptococci.
			- Corynebacterium diphtheriae - mode of spread, important clinical feature, Laboratory diagnosis, Chemotherapy and Active
			immunisation.
			- Mycobacteria - Tuberculosis and Leprosy
			- Clostridium - Gas gangrene, food poisoning and tetanus.
			- Non-sporing Anaerobes - in brief about classification and
			morphology,
			- Spirochaetes - Treponema pallidum - detailed
			account of Oral Lesions of syphilis, - Borrelia vincentii.
			- Actinomycetes.
			1 comoniyootos.

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BDS-201 B3	Topic 3	Derangements of body fluids- Oedema Disorders of circulation - Hyperaemia - Shock  Virology: - Introduction - General properties, cultivation, host - virus interaction with special reference to Interferon Brief account of Laboratory diagnosis, Chemotherapy and immuno prophylaxis in general A few viruses of relevance to dentistry Herpes Virus - Hepatitis B Virus - brief about other types - Human Immunodeficiency Virus (HIV) - Mumps Virus - Brief - Measles and Rubella Virus - Bacteriophage - structure and significance
BDS-201 C	Unit C	
BDS-201 C1	Topic 1	Nutritional Disorders: Common Vitamin Deficiencies  Mycology: - Brief Introduction
BDS-201 C2	Topic 2	Immunological mechanisms in disease  - Humoral & cellular immunity - Hypersensitivity & autoimmunity  AIDS and Hepatitis.  Hypertension - Definition, classification - Pathophysiology - Effects in various organs  Diabetes Mellitus - Def, Classification, Pathogenesis, Pathology in different organs  Candidosis – in detail
BDS-201 C2	Topic 3	Adaptive disorders of growth - Atrophy & Hypertrophy, Hyperplasia, Metaplasia and Dysplasia  Briefly on oral lesions of systemic mycoses.

BDS-201 D	Unit D	
BDS-201 D1		2. General Aspects of neoplasia
	Topic 1	a. Definition, terminology, classification

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		b. Differences between benign and malignant neoplasms		
		c. The neoplastic cell		
		d. Metastasis		
		e. Aetiology and pathogenesis of neoplasia, carcinogenesis		
		f. Tumour biology		
		g. Oncogenes and anti-oncogenes		
		h. Diagnosis		
		i. Precancerous lesions		
		j. Common specific tumours, Sq papilloma & Ca, Basal cell		
		Ca, Adenoma & Adenoma, Fibroma & Fibrosarcoma,		
		Lipoma and liposarcoma		
		Parasitology:		
		Brief introduction - protozoans and helminths		
		Brief knowledge about the mode of transmission and prevention of commonly		
		seen parasitic infection in the region		
BDS-201 D2		Anaemias: Iron Deficiency anaemia, Megaloblastic anaemia		
	Topic 2	Leukemia: acute and chronic leukemia, diagnosis & clinical features		
BDS-201 D3		Diseases of Lymph nodes		
	Topic 3	- Hodgkin's disease,		
		- Non-Hodgkins lymphoma		
		- Metastatic carcinoma		
		Diseases of oral cavity		
		- Lichen planus, Stomatitis, Leukoplakia, Sq cell Ca, Dental		
		caries, Dentigerious cyst, Ameloblastoma		
		Diseases of salivary glands		
		- Normal structure, Sialadenitis, Tumours		

BDS-201 E	Unit E	
BDS-201 E1  BDS-201 E2	Topic 1  Topic 2	Common diseases of Bones  - Osteomyelitis, Metabolic bone diseases, Bone Tumours, Osteosarcoma, Osteocalstoma, Giant cell Tumour, Ewing's sarcoma, Fibrous dysplasia, Aneurysmal bone cyst  Diseases of Cardiovascular system  - Cardiac failure  - Congenital heart disease  - ASD, VSD, PDA  - Fallot's Tetrology  - Infective Endocarditis  - Atherosclerosis  - Ischaemic heart disease
BDS-201 E3	Topic 3	Haemorrhagic disorders (coagulation cascade, coagulation disorders) Platelet function, platelet disorders



		Attenda	nce	Minimum 75% is Needed	for both theory and clinical practical	
		Quizes	ince	Taken in every 3 months		
		Presenta	ations	Video Presentation		
1.	Course evaluation	Any Ot		Project based learning, fli	p learning, Assignments	
			Theory &			
		Practica	ıl	100 Marks 100 Marks		
		Examin	ation	100 Warks		
		SR.	Author		Title	
		1	Robbins		Pathologic Basis of Disease	
		2	Ivan Da	mjanov & James Linder	Anderson's Pathology Vol1&2 Edito	
		3	Lee, Bithell, Foerster, Athens,		Wintrobe's clinical Haematology	
			Lukens			
2.	Text book/s*	4	R.Ananthanarayan & C.K. Jayaram Paniker		Text book of Microbiology	
		5	-	reenwood etal.	Medical Microbiology	
		6	Prescott	etal	Microbiology	
		7	Bernard	D. Davis, etal	Microbiology	
		8	Barbara	J Howard, etal.	Clinical & Pathogenic Microbiology	
		9	Moselio	Schaechter, etal.	Mechanisms of Microbial diseases	
		10	Tizard		Immunology an Introduction	
		11	Evan Ro	oitt et al.	Immunology 3 <sup>rd</sup> edition	
3.	Other References			·		



## Course Templates – Year 2 2.1 Template A1: Syllabus

Sch	nool: School of Dental	Batch: 2021-2026	
Sci	ences		
Pro	gram:	BDS (Bachelor of Dental Surgery)	
1	1 Course Code BDS202		
2	Course Title	General & Dental Pharmacology and Therapeutics	
3	Credits	NA	
4	<b>Contact Hours</b>	070-0-020	
	(L-T-P)		
	Course Type	Compulsory (CORE)	
5	Course Objective	At the end of the course the student shall be able to:	
		1. Prescribe drugs for common dental and medical ailments.	
		2. To appreciate adverse reactions and drug interactions of commonly used drugs.	
		3. Observe experiments designed for study of effects of drugs.	
		4. Critically evaluate drug formulations and be able to interpret the clinical	
		pharmacology of marketed preparations commonly used in dentistry.	
		5. INTEGRATION: Practical knowledge of use of drugs in clinical practice will be	
		acquired through integrated teaching with clinical departments.	
6	Course Outcomes	CO 202.1 Dental student with knowledge on indications	
		contraindications interactions, allergies and adverse reactions of commonly	
		used drugs, use of appropriate drugs in disease with consideration to its	
		efficacy, safety for individual and mass therapy needs	
		CO 202.2 Dental student with an ability to advice special care in prescribing	
		common and essential drugs in special medical situations such as	
	pregnancy, lactation old age, renal, hepatic damage and immune		
compromised patients			
		CO202.3 Dental student with skills to prescribe drugs for common dental	
and medical ailments appreciate adverse reactions and drug interaction			
		commonly used drugs	
7	Course Description	The broad goal of teaching under graduate students in pharmacology is to inculcate rational	
′	Course Description	and scientific basis of therapeutics keeping in view of dental curriculum and Profession.	
	1		

8	Outline syllab	ous	
	BDS 202 A Unit A GI		NERAL PHARMACOLOGY
	BDS 202 A1	Unit A Topic 1	General principles of pharmacology; sources and nature of drugs dosage forms; prescription writing; pharmacokinetics (absorption, distribution, metabolism and excretion of drugs), mode of action of drugs, combined effects of drugs, receptor mechanism of drug action, factors modifying drug response, adverse drug reactions; drug interactions, Implications of General Principles in clinical dentistry.
	BDS 202 A2	Unit A Topic 2	CNS drugs; General anaesthetics, hypnotics, analgesics psychotropic drugs, anti – epileptics, muscle relaxants, local anaesthetics, Implications of these drugs in clinical dentistry.

		Beyond Bounda		
<b>BDS 202 A3</b>	Unit A	Autonomic drugs; sympathomimetics, antiadrenergic		
	Topic 3	drugsparasympothomimetics and parasympatholytics, Implications of		
		Autonomic drugs in clinical dentistry		
<b>BDS 202 A4</b>	Unit A	Cardiovascular drugs; Cardiac stimulants; antihypertensive drugs,		
	Topic 4	vasopressor agents, treatment of shock, Antianginal agents and		
		diuretics, Implications of these drugs in clinical dentistry.		
BDS 202 A5	Unit A	Autocoids:		
	Topic 5	Histamine, antihistamines, prostaglandins, leukotriens and		
	_	bronchodilators, Implications of Autocoids in clinical dentistry.		
BDS 202 A6	Unit A	G.I.T. Drugs, Purgatives, anti-diarrhoeal, antacids, anti-emetics, Implications		
	Topic 6	of these drugs in clinical dentistry.		
BDS 202 A7	Unit A	Endocrines; Emphasis on treatment of diabetes and glucocorticoids, thyroid		
	Topic 7	and antithyroid agents, drugs affecting calcium balance and anabolic		
	•	steroids, Implications of these drugs in clinical dentistry.		
BDS 202 A8	Unit A	Chemotherapy: Antimicrobial agents (against bacteria, anaerobic infections,		
	Topic 8	fungi, virus and broad spectrum). Infection management in dentistry.		
	_	Phamacotherapy of Tuberculosis, leprosy and chemotherapy of malignancy		
		in general. Implications of Chemotherpy in clinical dentistry.		
BDS 202 A9	Unit A	Chemotherapy: Antimicrobial agents (against bacteria, anaerobic infections,		
	Topic 9	fungi, virus and broad spectrum). Infection management in dentistry.		
	_	Phamacotherapy of Tuberculosis, leprosy and chemotherapy of malignancy		
		in general. Implications of Chemotherpy in clinical dentistry.		
BDS 202	Unit A	Vitamins: Water soluble vitamins, Vit. D, Vit.K. and Vit. E, Implications of		
A10	Topic 10	Vitamins in clinical dentistry.		
BDS 202	Unit A	Pharmacotherapy of emergencies in dental office and emergency drugs tray		
A11	Topic 11	Implications of Pharmacotherapy in clinical dentistry.		
BDS 202	Unit A	Chealating agents – BAL, EDTA and desferrioxamine,		
A12	Topic 12			

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BDS 202 B	Unit B D	Unit B DENTAL PHARMACOLOGY			
BDS 202 B1	Unit B Topic 1	Anti - septics, astrigents, obtundents, mummifying agents, bleaching agents, styptics, disclosing agents, dentifrices, mouth washes, caries and fluorides.			
BDS 202 B2	Unit B Topic 2	Pharmacotherapy of common Oral conditions in dentistry, Practical's & Demonstrations			

		Attendance	Minimum 75% is Needed for both theory and clinical practical
1	Course evaluation	Quizzes	Taken in every 3 months
1		Presentations	Video Presentation
•		Any Other	Project based learning, Assignments
		Annual	Theory-100 marks
		examination	Practical-100 marks
2 .	Text book/s*	Pharmac Prakash 2. Bertam Appleto 3. Laueren Livingst 4. Satoska Pharmac Prakash	oskar, Kale Bhandarkar's Pharmacology and colherapentics, 10th Edition, Bombay Popular an 1991.  G Katzung, Basic and Clinical pharmacology 6th ed. on & Lange 1997.  ICC D.R. Clinical Pharmacology 8th ed. Churchill tone 1997.  ICC R.S. & Bhandarkar S.D., Pharmacology and cotherapeutics part I & part ii, 13th Popular an Bombay 1993.  K.D., Essentials of Medical Pharmacology 4 <sup>th</sup> ed Jaypee
<u></u>		Brothers	s 1999.
3	Other References	TED learning	
•		various scientific	articles from various sources



Course Templates –
2.1 Template A1: Syllabus for Theory Subjects (SAMPLE)

		Tor Theory Subjects (SAMPLE)		
	nool: School of Dental	Batch: 2021-2026		
	ences			
	gram:	BDS (Bachelor of Dental Surgery)		
Bra	anch:	Dental		
1	Course Code	BDS-203		
2	Course Title	DENTAL MATERIALS		
3	Credits	NA		
4	<b>Contact Hours</b>	80-0-240		
	(L-T-P)			
	Course Type	Compulsory (CORE)		
5	Course Objective	<ol> <li>To understand the evolution and development of science of dental material.</li> <li>To explain purpose of course in dental materials to personnel concerned with the profession of the dentistry. Knowledge of physical, chemical properties and biomechanical requirements of particular restorative procedure.</li> <li>Search for newer and better materials to answer daily requirements with greater satisfaction.</li> </ol>		
		<ul> <li>4. To understand and evaluate the claims made by manufactures of dental materials.</li> <li>5. To present basic chemical and physical properties of Dental materials as they are related to its manipulation to give a sound educational background so that the practice of the dentistry emerged from art to empirical status of science as more information through further research becomes available</li> </ul>		
6	Course Outcomes	CO203.1- Dental student will have knowledge of physical/chemical/biological & mechanical properties of all materials in dentistry.  CO203.2- Dental students will be able to manipulate the various dental materials in dentistry.		
7	Course Description	The course offers knowledge of diagnosis and basic chemical and physical properties of Dental materials as they are related to its manipulation to give a sound educational background so that the practice of the dentistry emerged from art to empirical status of science as more information through further research becomes available. It also aims to provide with certain criteria of selection and which will enable to discriminate between facts and propaganda with regards to claims of manufactures.		



8	Outline syllab	ous	Beyond Boundari
	BDS-203.A Unit A		
	Structure of m		natter and principles of adhesion
	BDS-203.A1	Unit A	Change of state
		Topic 1	
	BDS-203.A2	Unit A	Interatomic bond distance and bonding energy
		Topic 2	
	BDS.203.A3	Unit A	Crystalline and non crystalline structures
		Topic 3	
	BDS-203.B	Unit B	
	Important phy		ysical properties applicable to dental materials
	BDS-203.B1	Unit B	Physical properties –law of mechanics, acoustics, optics,
		Topic 1	thermodynamics, electricity, magnetism, radiation
	BDS-203. B2	Unit B	Hue, value, chroma and translucency- law of optics, dealing with
		Topic 2	phenomenon of light, vision and sight.
	BDS-203. B3	Unit B	Thermal conductivity, COTE
		Topic 3	
	BDS-203.B4	Unit B	Stress, strain, proportional limit, elastic limit, yield strength, MOE,
		Topic 4	ductility, malleability, hardness, rheology, abrasion resistance,
			thixotropic, creep, static creep, dynamic creep, Munsell color system,
			metamerism, fluoroscence
	BDS-203 C	Unit C	
		Biological con	siderations in use of dental materials
	BDS-203.C1	Unit C	Biocompatibility of dental materials, its classification based on contact
		Topic 1	with soft tissues, affecting vitality of pulp, used for root canal fillings
			affecting hard tissues of teeth
	BDS-203.C2	Unit C	Hazards associated with materials, pH affecting pulp, polymers
		Topic 2	causing chemical irritation, mercury toxicity
	BDS-203.C3	Unit C	Microleakage, thermal changes, galvanism, toxic effect of materials,
		Topic 3	biological evaluation for systemic toxicity
	BDS-203 D	Unit D	
		GYPSUM ANI	O GYPSUM PRODUC
	BDS-203 D1	Unit D	GYPSUM- Origin, chemical formulae, products manufactured from
	BBS 203 B1	Topic 1	gypsum, dental plaster, dental stone, die stone, high strength, high
		Topic 1	expansion stone (Application and manufacturing of each, Macroscopic
			and microscopic structure of each.
	BDS-203 D2	Unit D	Chemistry of setting, setting reaction, theories of setting, gauging
		Topic 2	water.
	BDS-203 D3	Unit D	Setting time, working time, measurement of setting time and factors
		Topic 3	controlling setting time.
	BDS-203 D4	Unit D	Strength, factors affecting strength: wet strength, dry strength, tensile
		Topic 4	strength.
	BDS-203 D5	Unit D	Slurry: Need & Use.
		Topic 5	

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		Beyond Boundari
BDS-203 D6	Unit D	Care of Cast
	Topic 6	
BDS-203 D7	Unit D	ADA Classification of Gypsum Products.
	Topic 7	
BDS-203 D8	Unit D	Manipulation including recent methods and advanced methods.
	Topic 8	
BDS-203 D9	Unit D	Disinfection: Infection Control, liquid, sprays, radiation methods, use
222 200 27	Topic 9	of disinfectants, storage of materials.
BDS-203 E	Unit E	or dismiredumes, storage or materials.
DDS 200 E		MATERIALS USED IN DENTISTRY
BDS-203 E1	Unit E	Impression Plaster, Impression compound, Zinc Oxide Eugenol Paste,
	Topic 1	Bite Registration Paste, Non- Eugenol Paste, Hydrocolloids
	- Pro-	(Reversible and Irreversible)
BDS-203E2	Unit E	Elastomeric impression materials, polysulphide, condensation
225 20022	Topic 2	silicones, addition silicones, polyether
BDS-203.E3	Unit E	Visible light cure polyurethane dimethacrylate
200 200,00	Topic 3	1 1515 to Hight out o porparochanic announcer y late
BDS-203.E4	Unit E	Historical background, definition, purpose, ideal properties,
<b>DD</b> D-203. <b>L</b> 4	Topic 4	application, composition, setting chemistry, recent advances
BDS-203.E5	Unit E	Study of properties: working time, setting time, flow, accuracy,
DD5-203.E3	Topic 5	strength, flexibility, tear strength, dimensional stability, biological
	Topic 3	properties, shelf life, infection control,
BDS 203 F	Unit F	properties, shell life; infection control,
DDS 203 F		
	Synthetic Resins	
	Unit F	Acrylic resins
		Actylic resilis
	Topic 1 Unit F	Restorative resins
		Restorative resins
DDC 202 C	Topic 2	and Allera
BDS 203 G	Unit G Metal a	
	Unit G Topic	Amalgam
	-	Direct filing Cold
	Unit G Topic	Direct filling Gold
	Linit C Tania	Dental Casting Allana
	Unit G Topic	Dental Casting Alloys
DDG 404 TY	3	
BDS 203 H		Waxes Including Inlay Casting Wax
	Unit H Topic	Introduction, classification, properties, Dental waxes, manipulation,
DDG 2027	1	applications
BDS 203 I		Casting Investments
<b>—</b> ———————————————————————————————————	Unit I Topic 1	Definition, classification, Technical considerations, Defects in casting
BDS 203 J		oldering, Brazing and Welding
	Unit J Topic 1	Definitions, requirements, applications, properties
BDS 203 K		ht Base Metal Alloys
	Unit K Topic	Applications, properties
	1	



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BDS 20	13 L	Unit L I	Dental Cements	
		Unit L Topic	Definition, requirements, properties	
		1		
BDS 20	3 M	Unit M I	Dental Ceramics	
		Unit M Topic	Definitions, Applications, Properties, Composition	
		1		
BDS 20	3 N	Unit N A	brasion and Polishing Agents	
		Unit N Topic	Definition, types,	
		1		
		Unit N Topic	Abrasive action, Technical considerations	
		2		
BDS 20	30	Unit O Die	and Counter Die materials including Electroforming and	
		Electropolishin	ng	
		Unit O Topic	Types of gypsum products, electroforming, Epoxy resins, Amalgam	
		1		
BDS 20	3 P	Unit P D	ental implants	
		Unit O Topic	Evolution, Types, materials	
		1		
BDS 20	3 Q	Unit Q M	Unit Q Mechanics of Cutting	
		Unit Q Topic	Burs, points	
		1		

		Attendance	Minimum 75% is Needed for both theory and clinical practical	
		Quizzes	Taken in every 3 months	
1.	Course evaluation	Presentations	Video Presentation	
		Any Other	Project based learning, flip	learning, Assignments
		Annual Exam	100 Marks Theory	
			100 Marks Practical	
2.	Text book/s*	Phillips Science of Dental Materials –     10th edition     Restorative Dental Materials     Notes on Dental Materials		Kenneth J. Anusavice Robert G.Craig Notes on Dental Materials
3.	Other References	TED learning EBSCOHOST Various scientific sources	e articles from various	



2.1 Template A1: Syllabus

	ool: School of Dental	Batch: 2021-2026	
	ences	Baron 2021 2020	
	gram:	BDS (Bachelor of Dental Surgery)	
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Bra	nch:	Dental	
1	Course Code	BDS-251	
2	<b>Course Title</b>	PRE-CLINICAL PROSTHODONTICS	
3	Credits	NA	
4	<b>Contact Hours</b>	25-0-300	
	(L-T-P)		
	Course Type	Compulsory (CORE)	
		1: To introduce students to laboratory and clinical procedures involved in the fabrication of complete dentures in preclinical settings and provide opportunity for deliberate practice.	
6	<b>Course Outcomes</b>	cO251.1 Dental student will have sound knowledge on landmarks in edentulous patients and would be able to do all lab procedures to make a conventional complete denture.	
7	Course Description	The course offers Knowledge of all procedures to be performed in the clinical appointments in coming years. The Students are given hands-on training on ideal models for practice and learning.	

8	Outline syllabus		
	BDS- 251.A TEETH AR		RANGEMENT SCHEDULE
	BDS- Unit A 251.A1 Topic 1		Fabrication of Record Base
	BDS- Unit A 251.A2 Topic 2		Fabrication of Occlusal Rims
	BDS.251. Unit A A3 Topic 3		Articulation
	BDS- Unit A 251.A4 Topic 4		Anterior Teeth Arrangement
	BDS- 251.A5	Unit A Topic 5	Posterior Teeth Arrangement

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		Beyond Bound
BDS.251.	Unit A	Fabrication of Occlusal Rims
A6	Topic 6	
BDS-	Unit A	1 <sup>st</sup> Teeth Arrangement
251.A7	Topic 7	
BDS-	Unit A	2 <sup>nd</sup> Teeth Arrangement
251.A8	Topic 8	
BDS.251.	Unit A	3 <sup>rd</sup> Teeth Arrangement
A9	Topic 9	
BDS-	Unit A	4 <sup>th</sup> Teeth Arrangement
251.A10	Topic 10	
BDS-	Unit A	5 <sup>th</sup> Teeth Arrangement
251.A11	Topic 11	
BDS.251.	Unit A	6 <sup>th</sup> teeth Arrangement
A12	Topic 12	
BDS-	Unit A	8 <sup>th</sup> teeth Arrangement
251.A13	Topic 13	
BDS-	Unit A	9 <sup>th</sup> Teeth Arrangement
251.A14	Topic 14	
BDS.251.	Unit A	10 <sup>th</sup> teeth Arrangement
<b>A15</b> Topic 15		
BDS-	Unit A	11 <sup>th</sup> Teeth Arrangement
251.A16	Topic16	

		Attendance	Minimum 75% is Needed for both theory and clinical practical	
		Quizzes	Taken in every 3 months	
1.	<b>Course evaluation</b>	Presentations	Video Presentation	
		Any Other	Project based learning, flip	learning, Assignments
		Annual Examination	100 Marks	
2.	Text book/s*	Essentials of Complete     Prosthodontics		Sheldon Winkler
3.	Other References	TED learning EBSCOHOST Various scientific articles from various sources		



# Course Templates – 2.1 Template A1: Syllabus

School: School of Dental		Batch: 2021-2026		
Sciences				
Program:		BDS (Bachelor of Dental Surgery)		
1	Course Code	BDS252		
2	Course Title	Pre-Clinical Conservative Dentistry		
3	Credits	NA		
4 Contact Hours		025-0-200		
	(L-T-P)			
	Course Type	Compulsory (CORE)		
5	Course Objective	<ol> <li>Students are introduced to the pre-clinical conservative dentistry to make them more acquainted to the new dental subject. Students are told about this branch of dentistry, what it deals in &amp; what benefits we can provide to patients after rendering treatment.</li> <li>Students are provided with knowledge to diagnose dental caries and skilled to treat it.</li> <li>Students are geared to maintain high standard of professional ethics and conduct and apply it willingly in all aspects of professional life</li> </ol>		
6	Course Outcomes	CO252.1: Students will have sound knowledge on hand and rotary cutting instruments  CO252.2 Students have basic skills to prepare cavity designs to receive various restorative materials on typhodont.		
7	Course Description	The Pre-Clinical Conservative training program offers students to apply knowledge, skill and ethics in day to day practice. Students gear to have sound knowledge of the hand and rotary cutting instruments and know their application.  Students are able to correctly diagnose all caries lesions and have knowledge to manage it. They are skilled to analyse the outcomes of treatment.  Students are capable of self- assessment in the end of the program and are confident and competent to accomplish and execute the knowledge and skills for managing the patient in clinics.		



8 Outline syllab	ous		
BDS252.A	Unit A		
	Introduction	n to Conservative Dentistry	
BDS252.A1	Unit A	Nomenclature	
	Topic 1		
BDS252.A2	Unit A	Fundamental	
	Topic 2		
BDS252A3	Unit A	Contacts & Contour	
	Topic 3		
BDS252.B	Unit B		
	Caries and	Its Management	
BDS252.B1	Unit B	Dental Caries	
	Topic 1		
BDS252 B2	Unit B	Management of Deep caries	
	Topic 2		
BDS252 B3	Unit B	Pulp Protection	
	Topic 3		
BDS252C	Unit C		
	Fundament	s of Amalgam Restoration	
BDS252 C1	Unit C	Tooth Preparation for amalgam	
	Topic 1		
BDS252 C2	Unit C	Dental cements	
	Topic 2		
BDS252 C3	Unit C	Failures of amalgam restoration	
	Topic 3		

BDS252 D	Unit D	nit D	
	<b>Isolation Co</b>	oncepts and Barrier Techniques	
BDS252 D1	Unit D	Concepts of Isolation	
	Topic 1		
BDS252 D2	Unit D	Barrier Techniques	
	Topic 2		
BDS252 D3	Unit D	Basic concept of Sterilization	
	Topic 3		
BDS252 E		·	
BDS252 E1	Unit E	Concepts of RCT in Single rooted tooth	
	Topic 1		
BDS252 E2	Unit E	Introduction to Cl I Composites restoration	
	Topic 2		
BDS252 E3	Unit E	Finishing & Polishing	
	Topic 3		



	Course evaluation	Attendance
		Quizzes
1.		Presentations
		Any Other
		Annual Examination
	Text book/s*	Pre-Clinical Conservative Dentistry
2.		2. Text Book of Conservative Dentistry
	Other References	LMS
3.		TED learning
		EBSCOHOST
		Various scientific articles from various sources



# Course Templates – III year 2.1 Template A1: Syllabus

Sc	hool:	School of Dental Sciences			
Pr	ogram:	BDS (Bachelor of Dental Surgery)			
Ba	itch	2021-26			
1	Course	BDS301			
	Code				
2	Course	GENERAL MEDICINE			
	Title				
3	Credits	NA			
4	Contact	60 - 0 - 90			
	Hours				
	(L-T-P)				
	Course	Compulsory (CORE)			
<u> </u>	Type				
5	Course	Training the student for:			
	Objective	Training the student for.			
		• General superficial examination of the body and recording all the necessary vitals.			
		To correlate various oral manifestations with systemic conditions.			
		<ul> <li>Deal with various medical emergencies in dental practice.</li> </ul>			
		Bear with various medical emergencies in dental practice.			
6	Course	CO301.1Dental student with sound knowledge on oral manifestations of systemic diseases,			
	Outcomes	medical emergencies in dental practice. special precautions/ contraindication of aesthesia			
		CO301.2Dental students with ability to diagnose and manage various common medical			
		problems encountered in general, dental practice and dental emergencies.			
		CO301.3Dental student with basic skill to prevent and manage complications encountered			
		while carrying out various dental surgical and other procedures			

BDS301.A	Unit A			
	Introduction to general medicine			
BDS301.A1	Unit A	Aims of medicine, definition of Signs & Symptoms.		
	Topic 1			
BDS301.A2	Unit A	Diagnosis and its types.		
	Topic 2	Treatment		
BDS301.B	Unit B			
	Infections			
BDS301.B1	Unit B Enteric fever, AIDS, Herpes Simplex, Herpes Zoster,			
	Topic 1	Горіс 1		
BDS301 B2	Unit B	Init B Syphilis, Diphtheria, Infectious mononucleosis		
	Topic 2	opic 2		



BDS301 B3	Unit B Mumps, Measles, Rubella, Malaria.		
	Topic 3		
BDS301 C	Unit C		
	Systemic I	Medicine	
BDS301 C1	Unit C	GIT- Stomatitis, gingival hyperplasia, dysphagia, acid peptic disease, jaundice,	
	Topic 1	acute and chronic hepatitis, cirrhosis of liver ascites.	
BDS301 C2	Unit C	CVS- Acute rheumatic fever rheumatic valvular heart disease, hypertension	
	Topic 2	ischemic heart disease, infective endocarditis, common arrhythmias, congenita	
		heart disease, congestive cardiac failure.	
BDS301 C3	Unit C	Respiratory System- Pneumonia, COPD, Pulmonary TB, Bronehial Asthma	
	Topic 3		

BDS301 C4	Unit C	Renal System- Acute nephritis Nephrotic syndrome		
	Topic 4			
BDS301 C5	Unit C	CNS- Facial palsy, facial pain including trigeminal neuralgia, epilepsy, headache		
	Topic 5	including migraine.		
BDS301 D	Unit D			
	Hematology			
BDS301 D1	Unit D	Anemias, Bleeding & Clotting disorders,		
	Topic 1			
BDS301 D2	Unit D	leukemias, lymphomas, agranulocytosis, splenomegaly,		
	Topic 2			
BDS301 D3	Unit D	Oral manifestations of hematologic disorders, generalized Lymphadenopathy.		
	Topic 3			

BDS301 E	Unit E		
	Nutrition		
BDS301 E1	Unit E	Macro and Micro Nutrients	
	Topic 1		
BDS301 E2	Unit E	Deficiency disorders	
	Topic 2		
BDS301 F	Unit F		
	Endocrines		
BDS301 F1	Unit F	Diabetes Mellitus Acromegaly, Hypothyroidism,	
	Topic 1		
BDS301 F2	Unit F	Thyrotoxicosis, Calcium metabolism and Parathyroids.	
	Topic 2		
BDS301 G	Unit G		
	Critical Care		
BDS301 G1	Unit G	Syncope, cardiac arrest, CPR, shock	
	Topic 1		



	<b>Course evaluation</b>	Attendance		
		Quizzes		
1.		Presentations		
		Any Other		
		Annual Examination		
2	Text book/s*	Text Book of Medicine		
2.		2. Textbook of Medicine		
	Other References	LMS		
3.		TED learning		
3.		EBSCOHOST		
		Various scientific articles from various sources		



### 2.1 Template A1: Syllabus

School:		School of Dental Sciences		
Pro	ogram:	BDS (Bachelor of Dental Surgery)		
Bat	<u> </u>	2021-26		
1	Course Code	BDS302		
2	Course Title	GENERAL SURGERY		
3	Credits	NA		
4	<b>Contact Hours</b>	60 - 0 - 90		
	(L-T-P)			
	Course Type	Compulsory (CORE)		
5	Course Objective	• To acquaint the student with various diseases, which may require surgical expertise and to train the student to analyze the history and be able to do a thorough physical examination of the patient. Student will have a good theoretical knowledge of various ailments, and be practically trained to differentiate benign and malignant diseases and be able to decide which patient requires further evaluation.		
6	Course Outcomes	CO302.1Dental student with sound surgical knowledge on anomalies, lesions and diseases of the teeth, mouth and jaws CO302.2Dental student with ability to diagnose and manage various common surgical problems encountered in general, dental practice and dental emergencies.		
7 Course Description		Understanding various diseases, that may require surgical expertise and training to do thorough examination. The diseases as related to head and neck region are to be given due importance, at the same time other relevant surgical problems are also to be addressed. Thorough knowledge of various ailments, benign and malignant diseases both related to oral and systemic health. Skills to be developed by the end of teaching are to examine a routine swelling, ulcer and other related diseases and to perform minor surgical procedures such as draining an abscess, taking a biopsy etc.		



		Beyond Boun		
<b>Outline sylla</b>	bus			
BDS302.A Unit A				
	Introduct	ion to general surgery		
BDS302.A1	Unit A	History of Surgery		
	Topic 1			
BDS302.A2	Unit A	General Principles of Surgery		
	Topic 2			
<b>BDS302.B</b>	Unit B			
	Wounds			
BDS302.B1	Unit B	Classification		
	Topic 1	Wound Healing		
BDS-302.	Unit B	Repair of Wounds		
<b>B2</b> Topic 2		Treatment of Wounds		
		Complications of Wounds.		
BDS302.B3	Unit B	Medico-Legal Aspects of Accidental Wounds		
	Topic 3			
BDS-302. C	Unit C			
	Inflamma	tion & Infection		
BDS302.C1	Unit C	Inflammation of Soft and Hard Tissues.		
Topic 1     BDS302.C2   Unit C		Causes of Inflammation.		
		Varieties, Treatment and Sequelae		
Topic 2				
BDS302.C3	Unit C	Acute and Chronic Abscess Skin Infections, Cellulitis, Carbuncle, and		
	Topic 3	Erysepelas.		

BDS302.C4	Unit C	Specific Infections Such As Tetanus, Gangrene, Syphilis, Gonorrhoea,		
	Topic 4	Tuberculosis, Actinomycosis, Vincents Angina, Cancrum Oris.		
BDS302.C5	Unit C	Pyaemia, Toxaemia and Septicaemia		
	Topic 5			
<b>BDS302.D</b>	Unit D	t D		
	Viral Infe	ections		
BDS302.D1	Unit D Topic 1	HIV and Hepatitis B with special reference to their prevention and precautions to be taken in treating patients in a carrier state.		



BDS302. E	Unit E Shock and Haemorrhage			
BDS302.E1	Unit E	Classification, causes, clinical features and management of various		
DD5302.E1		types of shock.		
DDC202 E2	Topic 1	V1		
BDS302.E2	Unit E	Syncope, Circulatory collapse. Haemorrhage – different types,		
DDC202 F2	Topic 2	causes, clinical features and management		
BDS302.E3	Unit E	Blood groups, blood transfusion, precautions and complications of		
	Topic 3	blood and their products. Hemophilia's, their transmission, clinical		
		features and management especially in relation to minor dental		
DDC202 E4	TT '/ E	procedures.		
BDS302.E4	Unit E	Hemophilia's, their transmission, clinical features and management		
DD 0000 D	Topic 4	especially in relation to minor dental procedures.		
BDS302.F	Unit F			
		s, Ulcers, Cysts, Sinus and Fistulae		
BDS302. F1	Unit F	Classification, clinical examination and treatment principles in various		
	Topic 1	types of benign and malignant tumours.		
BDS302.F2	Unit F	Classification, clinical examination and treatment principles in various		
	Topic 2	types of ulcers, cysts, sinus and fistulae.		
BDS302. G	Unit G			
		of Lymphatic System		
BDS302.G1	Unit G	Head and Neck Region, Tubercular Infection, Lymphomas,		
	Topic 1 Leukaemia's, Metastatic Lymph Node Diseases.			
BDS302. H	Unit H			
		of The Oral Cavity, Larynx, Nasopharynx		
BDS302.H1	Unit H	Infective and malignant diseases of the oral cavity and		
	Topic 1	oropharynx and salivary glands,		
BDS302.H2	Unit H	Preventive aspects of premalignant and malignant diseases of		
	Topic 2	the oral cavity.		
BDS302.H3	Unit H	Infections and tumours affecting these sites. Indications,		
555555	Topic 3	procedure and complications of tracheostomy		
BDS302.I	Unit I	procedure and complications of tracheostomy		
<b>DD</b> 5502.1	Nervous System			
BDS302. I1	Unit I	Peripheral nerve injuries and related surgical procedures.		
22002.11	Topic 1	To reprietar nor to injuries and related surgical procedures.		
BDS302.I2	Unit I	Facial and Trigeminal Nerve.		
<b>DD</b> 5502.12	Topic 2	Tacial and Trigonimal People.		
BDS302.J	Unit J			
<b>DD</b> 5502.3	Fracture			
BDS-302. J1	Unit J	Principles and Clinical Presentation		
Topic 1		Timospies and Chinear Freschation		
	_			
BDS302. J2	Unit J	Treatment and Healing		
	Topic 2			



BDS302. K	Unit K Principles of Surgery		
	Principles of Surgery		
BDS302.K1	Unit K	Principles, Asepsis, Antiseptics, Sterilisation,	
	Topic 1		
BDS302.K2	Unit K	Principles of anaesthesia and principles of tissue replacement.	
	Topic 2	Knowledge of sutures, drains,	
BDS302.K3	Unit K	Diathermy, cryosurgery and use of Laser in surgery.	
	Topic 3		
BDS302.L	Unit L		
	Anomalies of Face and Jaw		
BDS302. L1 Unit L Surgical anatomy and development of face. C		Surgical anatomy and development of face. Cleft lip and cleft palate—	
	Topic 1	principles of management.	
BDS302.L2	2.L2 Unit L Differential diagnosis and management of different types o		
	Topic 2	the jaw.	
BDS302.M	Unit M		
	Biopsy		
BDS302. M1	Unit M	Different types of biopsies routinely used in surgical practice.	
	Topic 1		
BDS302. N2	02. N2 Unit N		
	Thyroid and Parathyroid		
BDS302. N1	N1 Unit N Surgical anatomy, pathogenesis, clinical features and managemen		
	<b>Topic 1</b> of dysfunction of thyroid and parathyroid glands.		



		Attendance	Minimum 75% is Needed for both theory and clinical practical	
		Quizzes	Taken in every 3 months	
1.	Course	Presentations	Video Presentation	
1.	evaluation	Any Other	Assignments	
		Annual	Theory - 100 Marks	
		examination	Practical – 100 Marks	
2.	Text book/s*	3. Short practice of surgery		Bailey & Love
		LMS		
	Other References	TED learning		
3.		EBSCOHOST		
		Various scientifi	ic articles from various	
		sources		



2.1 Template A1: Syllabus

School: School of Dental			Batch:2021-26
Sc	iences		
Pr	ogram:		BDS (Bachelor of Dental Surgery)
1		Course Code	BDS303
2		Course Title	Oral Pathology & Oral Microbiology
3		Credits	NA
4		Contact Hours	145-0-80
		(L-T-P)	
		Course Status	Compulsory
5		Course	1. To make students learn about various types of diseases occurring in the
		Objective	oral cavity.
			2. To educate students about the diagnosis of oral diseases.
			3. To make students understand about the correlation of clinical signs &
			symptoms with pathological processes in the oral cavity.
			4. To make students competent about identification of oral diseases
			through microscopic features.
			5. To make students aware about basic aspects of Forensic Odontology.
6		Course	CO303.1: At the end of the oral pathology course, student should be able
0		Outcomes	to comprehend different types of pathologies in the oral cavity.
		Outcomes	CO303.2: The student should understand manifestations of common
			diseases, their diagnosis & pathogenesis.
			CO303.3: Student should also be able to understand oral manifestations of
			systemic diseases.
			CO303.4: Student should know basic aspects of Forensic Odontology.
			CO303.5: Professional honesty and integrity are to be fostered.
7		Course	Oral Pathology represents the confluence of basic sciences and clinical
		Description	dentistry. Knowledge of the subject is acquired through gross &
			microscopic examination of tissues, along with information obtained from
			clinical history of the patients. Through the science of Oral Pathology, an
			attempt is made to correlate human biology with signs & symptoms of the
			disease so that it can be properly diagnosed & adequately treated.
8	8 Outline syllabus		
5	Unit A		Developmental disturbances of oral cavity & Forensic Odontology
	BDS-	Topic 1	Developmental disturbances of oral & paraoral structures and forensic
	303.A.1	- ~ P.~ ~	odontology
	BDS-303.	Topic2	Benign & malignant tumors of the oral cavity & salivary glands
	A.2	r	g 22g the state of
	BDS-303.	Topic3	Cysts & tumors of odontogenic origin
	A.3	- F	
		Unit B	Diseases of microbial origin
	BDS-303.	Topic1	Bacterial, viral & mycotic infections of the oral cavity
		1 I	



			Beyond Boundaries
	B.1		
	BDS-303. B.2	Topic2	Diseases of periodontium & dental caries
	BDS-303. B.3	Topic3	Diseases of pulp & periapical tissues & spread of oral infections
	Unit C		Injuries & repair
	BDS-303. C.1	Topic1	Physical & chemical injuries of the oral cavity
	BDS-303. C.2	Topic2	Regressive alterations of teeth
	BDS-303. C.3	Topic3	Healing of oral wounds
		Unit D	Disturbances of metabolism & immunologic diseases
	BDS-303. D.1	Topic1	Oral aspects of metabolic diseases
	BDS-303. D.2	Topic2	Allergic & immunologic diseases of the oral cavity
	BDS-303. D.3	Topic3	Diseases of blood & blood forming organs
		Unit E	Diseases of specific systems
	BDS-303. E.1	Topic1	Diseases of bone & joints
	BDS-303. E.2	Topic2	Diseases of skin
	BDS-303. E.3	Topic3	Diseases of nerves & muscles
1	Course	Attendance	Minimum 75% is needed for both theory and clinical practical
	Evaluation	Quizzes	Taken every 3 months
		Presentations	Video presentations
		Any other	Project based learning, assignments
		Annual	Theory
		Examination	Practical
2		Text book/s*	Shafer's, Neville, Regezi, Cawson, Soames & Southam, Eversole
3		Other	LMS
		References	TED learning
			EBSCOHOST Scientific articles
			Scientific articles Webinars
1			w Contacts



## Course Templates – IV year 2.1 Template A1: Syllabus

School:		School of Dental Sciences		
Pro	gram:	BDS (Bachelor of Dental Surgery)		
Bat	tch	2021-26		
1	Course Code	BDS401		
2	Course Title	Public Health Dentistry		
3	Credits	NA		
4	<b>Contact Hours</b>	60 - 0 - 290		
	(L-T-P)			
	Course Type	Compulsory (CORE)		
<ol> <li>Knowledge: At the conclusion of the course the a knowledge of the basis of public health, prepublic health problems in India, Nutrition, Enverole in health, basics of dental statistics, epidem National oral health policy with emphasis on oral</li> <li>Skill and Attitude: At the conclusion of the oral shall have require at the skill of identifying affecting the society, conducting health surveys, education classes and deciding health strategie develop a positive attitude towards the problems must take responsibilities in providing health.</li> <li>Communication abilities: At the conclusions student should be able to communicate the needs efficiently, inform the society of all the recent.</li> </ol>		shall have require at the skill of identifying health problems affecting the society, conducting health surveys, conducting health education classes and deciding health strategies. Students should develop a positive attitude towards the problems of he society and		
6	Course Outcomes	CO401.1 Student would be able to understand the community aspects of oral health care delivery.  CO401.2 Student would be able to carry out proficiently the collection of statistical data (demographic) among Indian Population, birth rates, morbidity and mortality, literacy, per capita income.		
7	Course Description	Understanding the provision of health care in the community and prevalence of common dental conditions in India. To prevent and control oral diseases and promote oral health through organized community efforts.  Understand the community aspects of dentistry and take up leadership role		



in solving community oral health problems. Teaching how to communicate with the patients by constant emphasis on behavioural modifications.

Understanding the concept of oral health programs and policies.

Applying the principles of health promotion and disease prevention. Have knowledge of community based preventive measures. Contribution of

knowledge of community based preventive measures. Contribution of social, cultural and environmental factors in health and illness. Administer oral hygiene instructions and preventive measures like fluoride application and fissure sealing

8	Outline syllabus		
	BDS401.A	Unit A	
			ection to Dentistry
	BDS401.A1 Unit A Topic 1		Introduction to Dentistry: Definition of Dentistry, Scope, aims
			and objectives of Dentistry.
	BDS401.A2	Unit A	History of dentistry
	Topic 2		
	BDS401.B	Unit B	
		Public 1	
	BDS401.B1	Unit B	Health & Disease
		Topic 1	
	BDS401 B2	Unit B	Public Health
		Topic 2	
	BDS401 B3	Unit B	Epidemiology
		Topic 3	
	BDS401 B4		Environmental Health
	BDS401 B5	Unit B	Health Education
		Topic 5	
	BDS401 B6	Unit B	Health Care Delivery System
		Topic 6	
	BDS401 C	Unit C	
		Dental 1	Public Health
	BDS401 C1	Unit C	Epidemiology of dental diseases
		Topic 1	
	BDS401 C2 Unit C		Nutrition in dental diseases
		Topic 2	
	BDS401 C3	Unit C	Survey
		Topic 3	
	BDS401 C4	Unit C	Payments in Dentistry
		Topic 4	

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DDC401 C5	II'. C	Duran dia Dandista
BDS401 C5	Unit C	Preventive Dentistry
	Topic 5	
BDS401 D	Unit D	
	Research	Methodology and Dental Statistics
BDS401 D1	Unit D	Sampling
	Topic 1	
BDS401 D2	Unit D	Biostatistics
	Topic 2	
BDS401 D3	Unit D	Research Methodology
	Topic 3	

1.	Course evaluation	Attendance Quizzes Presentations Any Other	Minimum 75% is Needed for both theory and clinical practical  Taken in every 3 months  Video Presentation  Project based learning, Assignments, Field trips, Camps	
		Annual examination	Theory-100 Marks Practical- 100 Marks	
2.	Text book/s*	<ul> <li>4. Essentials of public health dentistry</li> <li>5. Text Book of Preventive and Social Medicine</li> <li>6. Textbook of public health dentistry</li> <li>7. Text book of Preventive and Community Dentistry</li> </ul>	Soben Peter K.Park CM Marya SS Hiremath	
3.	Other References	LMS TED learning EBSCOHOST Various scientific articles from various sources		



# Course Templates – 2.1 Template A1: Syllabus School:

School	ol:	School of Dental Sciences		
Prog	ram:	BDS (Bachelor of Dental Surgery)		
Batcl	1:	2021-2026		
1	Course Code	BDS 402		
2	Course Title	Periodontology		
3	Credits	NA		
4	Contact Hours (L-T-P)	80 -200		
	Course Type	Compulsory (CORE) CC		
5	Course Objective	1. Knowledge of the development, structure and function of tissues		
		both in periodontal health and disease and their relationship with		
		and effect on general health of the patient.		
		2. Knowledge of diagnosis, prevention and treatment of various		
		gingival and periodontal diseases.		
		3. Maintain high standard of professional ethics and conduct and apply		
		these in all aspects of professional life		
		4. Improve awareness and provide possible solutions for periodontal		
		problems throughout the community		
6	<b>Course Outcomes</b>	CO402.1: Able to diagnose patients' periodontal problems, plan		
		appropriate periodontal treatment and make appropriate decision regarding referral to a specialist wherever required		
		CO402.2: Competent to educate and motivate the patient, give proper		
		instructions to the patients and do periodic recall and evaluation.		
		CO402.3: Competent to perform thorough oral prophylaxis,		
		subgingival scaling, root planing and minor periodontal surgical		
		procedures with familiarization to concept of osseointegration and		
		basic surgical aspects of Implantology		
7	<b>Course Description</b>	Periodontology is the science dealing with the health and disease of		
	_	the investing and supporting structures of the teeth and oral mucous		
		membrane. The student shall acquire the skill to perform dental		
		scaling, diagnostic tests of periodontal diseases, prevent periodontal		
		diseases, use instruments to perform treatment with full aseptic		
		precaution, periodontal maintenance and refer the patients who require		
		specialist care.		

8	Outline syllabus		
	BDS 402	Unit A	Biologic Basis of Periodontology
	Topic 1		Normal Periodontium
	Topic 2		Classification and Epidemiology of Periodontal Diseases
		Topic 3	Evidence based Decision Making
	Unit B		Etiopathogenesis of Periodontal Diseases
	Topic 1		Etiology of Periodontal Diseases



Topic 2	Periodontal pathology
Topic 3	Relationship between Periodontal Diseases and Systemic Health
Unit C	Treatment of Periodontal Diseases
Topic 1	Diagnosis, Prognosis and Treatment Plan
Topic 2	Non-Surgical and Surgical Treatment
Topic 3	Periodontal Maintenance
Unit D	Multidisciplinary Periodontics
Topic 1	Endodontic – Periodontics Interrelationship
Topic 2	Periodontal – Restorative Interrelationship
Topic 3	Periodontal – Orthodontic Interrelationship
Unit E	Oral Implantology
Topic 1	Biologic aspects or Dental Implants
Topic 2	Clinical Aspects of Dental Implants
Topic 3	Implant Complications and Supportive Implant Care

	Course Evaluation	Attendance	Attendance Minimum 75%				
1.		Annual Examination	Theory 100 Marks	Written Exam 70 Marks	Viva Voce 20 Marks	Internal assessment 10 Marks	
			Practical 100 Marks	Clinical case 60 Marks	Viva Voce 30 Marks	Internal assessment 10 Marks	
2.	Text book/s*	Carranza's Clinical Periodontology, 12 <sup>th</sup> Edition					
3.	Other References	Clinical Periodontology and Implantology – Lindhe Contemporary Periodontics – Cohen Oral Health Survey – WHO Various scientific articles from various sources					



## Course Templates – 1.1 Template A1: Syllabus for Theory Subjects

Sc	hool: School of Dental	Batch: 2021-2026	
Sci	iences		
Pr	ogram:	BDS (Bachelor of Dental Surgery)	
1	Course Code	BDS403	
2	Course Title	ORTHODONTICS & DENTOFACIAL ORTHOPEDICS	
3	Credits	NA	
4	<b>Contact Hours</b>	50-0-200	
	(L-T-P)		
	Course Type	Compulsory (CORE)	
5	Course Objective	<ol> <li>This course is intended to give the student an introduction of orthodontic diagnosis, evaluation and treatment planning with the emphasis on the in elements of orthodontics which the general practitioner should be familiar with in order to treat limited orthodontic cases.</li> <li>The student will learn orthodontic triage: separating patients who can be treated by a general practitioner and those who will require referral to dental specialist.</li> <li>Orthodontic problems of a dental nature and skeletal are covered as we as the surgical Orthogonathic surgery.</li> <li>Different orthodontic treatments are presented in general. Simple orthodontic procedures which the general practitioner can perform to control disease and restore function as part general dental work are discussed and implemented as part of the laboratory requirement.</li> </ol>	
6	Course Outcomes	CO 403.1 Be able to diagnose and treat common orthodontic problems. CO 403.2 Be able to gather an appropriate and complete data base on each patient to provide a strong foundation for diagnosis, treatment planning, treatment consultation, treatment and retention of the patient CO 403.3 Be able to identify all types dental malocclusion and perform necessary counselling. CO 403.4 Be able to utilize craniofacial growth and development knowledge in planning and carrying out patient treatment.	
7	Course Description	Undergraduate programme in Orthodontics is designed to enable the qualifying dental surgeon to diagnose, analyse and treat common orthodontic problems by preventive, interceptive and corrective orthodontic procedures.	



8	Outline syllab	ous	
	BDS-403 A	Unit A	
	BDS-403 A1	Topic 1	Introduction, Definition, Historical background, Aims and Objectives of Orthodontics and need for orthodontics care.
	BDS-403 A2	Topic 2	Growth and Development: In General a. Definition b. Growth spurts and Differential growth
			c. Factors influencing growth and Development d. Methods of measuring growth e. Growth theories (Genetic, Sicher's, Scott's, Moss's, Petrovics, Multifactorial) f. Genetic. and epigenetic factors in growth
	BDS-403 A3	Topic 3	g. Cephalocaudal gradient in growth.  Morphologic Development of Craniofacial Structures  a. Methods of bone growth  b. Prenatal growth of craniofacial structures  c. Postnatal growth and development of: cranial base, maxilla, mandible, dental arches and occlusion.
	BDS-403 B	Unit B	arenes and occursion.
	BDS-403 B1	Topic 1	Functional.Development of Dental Arches and Occlusioin a. Factors influencing functional development of dental arches and occlusion. b. Forces of occlusion c. Wolfe's law of transformation of bone d. Trajectories of forces
	BDS-403 B2	Topic 2	Clinical Application of Growth and Development
	BDS-403 B3	Topic 3	Malocclusion - In General a. Concept of normal occlusion b. Definition of malocclusion c. Description of different types of dental, skeletal and functional malocclusion.
	BDS-403 C	Unit C	,
	BDS-403 C1	Topic 1	Classification of Malocclusion Principle, description, advantages and disadvantages of classification of malocclusion by Angle, Simon, Lischer and Ackerman and Proffitt, Normal and Abnormal Function of Stoma tognathic System Aetiology of Malocclusion a, Definition, importance, classification, local and gel ual aetiological factors. b. Etiology of following different types of malocclusion:
			<ul><li>1) Midline diastema</li><li>2) Spacing</li></ul>

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	UN			ITY

		Beyond Boundaries
		3) Crowding
		4) Cross-Bite: Anterior/ Poe tenor
		5) Class III Malocclusion
		6) Class II Malocclusion
		7) Deep Bite
		8) Open bite
BDS-403 C2		10. Diagnosis and Diagnostic Aids
	Topic 2	a. Definition, Importance and classification of diagnostic aids
		b. Importance of case history and clinical examination in orthodontics
		c. Study Models: - Importance and uses - Preparation and preservation of study
		models
		d. Importance of intraoral X-rays in orthodontics
		e. Panoramic radiographs: - Principles, Advantages, disadvantages and uses
		1. Cephalometrics: Its advantages, disadvantages
		1. Definition
		2. Description and use of cephalostat
		3. Description and uses of anatomical landmarks lines and angles used in
		cephalometric analysis
		4. Analysis- Steiner's. Down's, Tweed's, Ricket's-E- line
		g. Electromyography and its use in orthodontics.
		h. Wrist X-rays and its importance in orthodontics
BDS-403 C2		General-Principles in Orthodontic Treatment Planning Of Dental And Skeletal
	Topic 3	Malocclusions
		Anchorage in Orthodontics - Definition, Classification, Types and Stability Of
		Anchorage
		Biomechanical Principles in Orthodontic Tooth Movement
		a. Different types of tooth movements
		b. Tissue response to orthodontic force application
		c. Age factor in orthodontic tooth movement

BDS-403 D	Unit D	
BDS-403 D1		Preventive Orthodontics
	Topic	a. Definition
	1	b. Different procedures undertaken in preventive orthodontics and their limitations.
		Interceptive Orthodontics
		a. Definition
		b. Different procedures undertaken in interceptive orthodontics
		c. Serial extractions: Definition, indications, contra-indication, technique,
		advantages and disadvantages.
		d. Role of muscle exercises as an interceptive procedure
		Corrective Orthodontics
		a. Definition, factors to be considered during treatment planning. I.
		b. Model analysis: Pont's, Ashley Flowe's, Bolton, Careys, Moyer* Mixed Dentition
		Analysis
		c. Methods of gaining space in the arch: - Indications, relative merits and demerits of
		proximal stripping, arch expansion and extractions
		d. Extractions in Orthodontics - indications and selection of teeth for extraction.
BDS-403 D2		Orthodontic Appliances: General

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_	1		Beyond Boundaries
		Topic	a. Requisites for orthodontic appliances
		2	b. Classification, indications of Removable and Functional Appliances
			c. Methods of force application
			d. Materials used in construction of various orthodontic appliances - use of
			stainless. steel, technical considerations in curing of acrylic, Principles of
			welding and soldering, fluxes and antifluxes.
			e. Preliminary knowledge of acid etching and direct bonding.
			Ethics
	BDS-403 D3		REMOVABLE ORTHODONTIC APPLIANCES
		Topic	1) Components of removable appliances
		3	2) Different types of clasps and their use
			3) Different types of labial bows and their use
			4) Different types of springs and their use
			5) Expansion appliances in orthodontics:
			i) Principles
			ii) Indications for arch expansion
			iii) Description of expansion appliances and different types of expansion devices
			and
			their uses.
			iv) Rapid maxillary expansion

BDS-403 E		
BDS-403 E1		FIXED ORTHODONTIC APPLIANCES
	Topic	1. Definition, Indications & Contraindications
	1	2. Component parts and their uses
		3. Basic principles of different techniques: Edgewise, Begg straight wire.
BDS-403 E2		EXTRAORAL APPLIANCES
	Topic	1. Headgears
	2	2. Chincup
		3. Reverse pull headgears
		MYOFUNCTIONAL APPLIANCES
		1. Definition and principles
		2. Muscle exercises and their uses in orthodontics
		3. Functional appliances:
		i) Activator, Oral screens, Frankel's function regulator,
		bionator twin blocks, lip bumper
		ii) Inclined planes - upper and lower
		18. Orthodontic Management Of Cleft Lip And Palate
		19. Principles Of Surgical Orthodontics
		Brief knowledge of correction of:
		a. Mandibular Prognathism and Retrognathism
		b. Maxillary Prognathism and Retrognathism
		c. Anterior open bite and deep bite
		d. Cross bite
		20. Principle, Differential Diagnosis 8s Methods of Treatment of:
		1. Midline diastema
		2. Cross bite
		3. Open bite



		<ul> <li>4. Deep bite</li> <li>5. Spacing</li> <li>6. Crowding</li> <li>7. Class II - Division 1, Division 2</li> <li>8. Class III Malocclusion - True and Pseudo Class III</li> </ul>
BDS-403 E3	Topic 3	Retention and Relapse Definition, Need for retention, Causes of relapse, Methods of retention, Different types of retention devices, Duration of retention, Theories of retention.



# Course Templates – 2.1 Template A1: Syllabus

School: School of Dental		Batch: 2021-2026
-	iences	
	ogram:	BDS (Bachelor of Dental Surgery)
1	Course Code	BDS404
2	Course Title	ORAL MEDICINE & RADIOLOGY
3	Credits	NA
4	<b>Contact Hours</b>	65-0-200
	( <b>L-T-P</b> )	
	Course Type	Compulsory (CORE)
5	Course Objective	<ol> <li>To train the students to diagnose the common disorders of Orofacial region by clinical examination and with the help of such investigations as may be required and medical management of oro-facial disorders with drugs and physical agents.</li> <li>To train the students about the importance, role, use and techniques of radiographs/digital radiographs and other imaging modalities in diagnosis.</li> <li>To train the students in various investigatory procedures like biopsy, exfoliative cytology, Hematological, Microbiological and other tests and investigations necessary for diagnosis and prognosis.</li> </ol>
6	Course Outcomes	CO404.1: Generate graduates that demonstrate the necessary knowledge, skills and attitude in Oral & Maxillofacial Diagnosis procedure and medical management of such disorder.  CO404.2 To create confident and competent dental professionals who can accomplish and execute clinical deftness in the diagnosis and management of Orofacial disorders.
7	Course Description	The course offers Knowledge: Possess a thorough knowledge and comprehension of diagnosis and medical management of the oro-facial diseases and systemic diseases with oral manifestations, in addition to, the infection control measures in the dental clinical environment and laboratories. Patient management: Take proper chair side history, clinical examination of patient and perform medical and dental diagnostic procedures including radiographs and formulate a proper treatment plan.  Investigations: Carry out appropriate chair side and radiological investigations to obtain the diagnosis. Develop the skill to advise advanced radiological investigations.



Patient treatment: Carry out appropriate and effective medical management of patients, once the diagnosis and treatment plan has been outlined. To motivate, educate and counsel the patient regarding the side effects of Tobacco.

Communication skills: Develop communication skills- in particular to explain various options available regarding management and to obtain a true informed consent from the patient. Ask for help from colleagues or seniors when required without hesitation.

Life-long Learning: Teach and/or guide, colleagues and other students. Use information technology tools and carries out research in both medicine and radiological fields with the aim of publishing his/her work and presenting the same at scientific platform on a regular basis.

Ethics: Adopt ethical principles in all aspects of Oral Medicine & Radiology, special emphasis on Radiation protection measures. Apply high moral and ethical standards while carrying on human or animal

8	Outline sylla	bus	
	BDS404.A Unit A		
		DIAGNO	OSTIC METHODS
	BDS404.A1	Unit A	Definition and importance of Diagnosis and various types of diagnosis
		Topic 1	
	BDS404.A2	Unit A	Method of clinical examinations
		Topic 2	
	BDS404.A3	Unit A	Investigations
		Topic 3	
	<b>BDS404.B</b>	Unit B	
		DIAGNO	SIS & DIFFERENTIAL DIAGNOSIS
	BDS404.B1	Unit B	Teeth: Developmental abnormalities, causes of destruction of teeth and their
		Topic 1	sequelae and discoloration of teeth
	BDS404 B2	Unit B	Diseases of bone and Osteodystrophies, Development disorders, Metabolic
		Topic 2	disorders.
	BDS404 B3	Unit B	Temparomandibular joint Disorders.
		Topic 3	
	BDS404 B4	Unit B	Common cysts and Tumors.
		Topic 4	
	<b>BDS404</b> C	Unit C	
	TUMOR		_
	BDS404 C1	Unit C	Soft tissue tumors
		Topic 1	
	BDS404 C2	Unit C	Hard tissue tumors
		Topic 2	
	BDS404 C3	Unit C	Periodontal diseases
		Topic 3	



BDS404 C4	Unit C	Granulomatous disorders
	Topic 4	
BDS404 C5	Unit C	Miscellaneous Disorders: Burkitt lymphoma, sturge - Weber syndrome,
	Topic 5	CREST syndrome, rendu-osler-weber disease.
<b>BDS404 D</b>	Unit D	
		CINE & THERAPEUTICS
BDS404 D1	Unit D	Infections of oral and paraoral structures
	Topic 1	
BDS404 D2	Unit D	Important common mucosal lesions
	Topic 2	
BDS404 D3	Unit D	Cervico-facial lymphadenopathy.
	Topic 3	
BDS404 D4	Unit D	Facial pain
	Topic 4	
BDS404 D5	Unit D	Altered sensations: Cacogeusia, halitosis
	Topic 5	
BDS404 D6	Unit D	Tongue in local and systematic disorder
	Topic 6	
BDS404 D7	Unit D	Oral manifestations of metabolic disorders, endocrine disorders, nutritional
	Topic 7	deficiencies, blood disorders
BDS404 D8	Unit D	Disease of salivary glands
	Topic 8	
BDS404 D9	Unit D	Dermatological diseases with oral manifestations
	Topic 9	
BDS404 D10	Unit D	Immunological diseases with oral manifestations
	Topic 10	
BDS404 D11	Unit D	Allergy: Local allergic reactions, anaphylaxis, serum sickness
	Topic 11	
BDS404 D12	Unit D	Foci of oral infection and their ill effects on general health
	Topic 12	

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	BDS404 D13	Unit D	Management of dental problems in medically compromised persons
		Topic 13	
	BDS404 D14	Unit D	Precancerous lesions and conditions
		Topic 14	
	BDS404 D15	Unit D	Nerve and muscle diseases
		Topic 15	
	BDS404 D16	Unit D	Forensic odontology
		Topic 16	
	BDS404 D17	Unit D	Therapeutics
		Topic 17	
	BDS404 E		
	BDS404 E1	Unit E	Scope of the subject and history of origin
		Topic 1	
	BDS404 E2	Unit E	Physics of radiation, radiation units
		Topic 2	
	BDS404.E3	Unit E	Biological effects of radiation.
		Topic 3	
	BDS404 E4	Unit E	Radiation safety and protection measures.
		Topic 4	
	BDS404 E5	Unit E	Principles of image production.
		Topic 5	
	BDS404 E6	Unit E	Radiographic techniques: Intra oral, cephalometric & Specialised
		Topic 6	radiographs.
	BDS404 E7	Unit E	Factors in production of good radiographs
		Topic 7	
	BDS404 E8	Unit E	Radiographic normal anatomical landmarks
		Topic 8	
	BDS404 E9	Unit E	Faculty radiographs and artefacts in radiographs
1	1	Topic 0	

BDS404 E9	Unit E	Faculty radiographs and artefacts in radiographs
	Topic 9	
BDS404 E10	Unit E	Interpretation of radiographs in various abnormalities of teeth, bones and
	Topic 10	other orofacial tissues
BDS404 E11	Unit E	Principles of radiotherapy of oro-facial malignancies and complications of
	Topic 11	radiotherapy
BDS404 E12	Unit E	Contrast radiography and basic knowledge of radio-active isotopes
	Topic 12	
BDS404 E13	Unit E	Radiography in Forensic Odontology
	Topic 13	



		Attendance	Minimum 75% is Needed for practical	both theory and clinical
		Quizzes	Taken in every 3 months	
1	Course or objection	Presentations	Video Presentation	
1.	Course evaluation	Any Other	Project based learning, Assign	ments, Webinars
		Annual	Theory - 100 Marks	
		examination	Practical – 100 Marks	
		1. Burket's O	oral Medicine diagnosis and	Greenberg, Martin S.
		treatment 1	10 <sup>th</sup> edn	8,
		2. Dental Rad	liography: Principles and	Haring, Joen
2.	Text book/s*	Techniques	s 3 <sup>rd</sup> Edn	
4.	Text book/s	3. Oral Radio	logy: Principles and	
		Interpretati	ion 5 <sup>th</sup> edn	White and Pharoah
		4. Oral and M	Maxillofacial Pathology 3 <sup>rd</sup> edn	Neville and Brad W
		LMS		
3.	Other References	TED learning		
3.	Other References	EBSCOHOST		
		Various scientific	articles from various sources	



# Course Templates – 2.1 Template A1: Syllabus

Sch	nool: School of Dental	Batch: 2021-2026
Sci	ences	
Pro	ogram:	BDS (Bachelor of Dental Surgery)
1	Course Code	BDS405
2	Course title	ORAL AND MAXILLOFACIAL SURGERY
3	Credits	NA
4	<b>Contact Hours</b>	70-0-360
	(L-T-P)	
	Course Type	Compulsory (CORE)
5	Course Objective	<ol> <li>To train the students to diagnose the common disorders of Orofacial region by clinical examination and with the help of such investigations as may be required and medical management of oro-facial disorders with drugs and physical agents.</li> <li>To train the students about the importance, role, use and techniques of radiographs/digital radiographs and other imaging modalities in diagnosis.</li> <li>To train the students in various investigatory procedures like biopsy, exfoliative cytology, Hematological, Microbiological and other tests and investigations necessary for diagnosis and prognosis.</li> </ol>
6	Course Outcomes	CO405.1: Application of knowledge of related medical subjects in management of patients with oral surgical problem.  CO405.2: Sufficient knowledge to diagnose manage and treat minor oral surgical procedures  CO405.3: Understanding and exposure to the management of major oral surgical problems and principles involved in inpatient management
7	Course Description	The course offers Knowledge: Possess a thorough knowledge and comprehension of diagnosis and medical management of the oro-facial diseases and systemic diseases with oral manifestations, in addition to, the infection control measures in the dental clinical environment and laboratories.  Patient management: Take proper chair side history, clinical examination of patient and perform medical and dental diagnostic procedures including radiographs and formulate a proper treatment plan.  Investigations: Carry out appropriate chair side and radiological investigations to obtain the diagnosis. Develop the skill to advise advanced radiological investigations.



Patient treatment: Carry out appropriate and effective medical management of patients, once the diagnosis and treatment plan has been outlined. To motivate, educate and counsel the patient regarding the side effects of Tobacco.

Communication skills: Develop communication skills- in particular to explain various options available regarding management and to obtain a true informed consent from the patient. Ask for help from colleagues or seniors when required without hesitation.

Life-long Learning: Teach and/or guide, colleagues and other students. Use information technology tools and carries out research in both medicine and radiological fields with the aim of publishing his/her work and presenting the same at scientific platform on a regular basis.

Ethics: Adopt ethical principles in all aspects of Oral Medicine & Radiology, special emphasis on Radiation protection measures. Apply high moral and ethical standards while carrying on human or animal research.

8	Outline syllabus		
	BDS405.A	Unit A	
		Introduction	
	BDS405.A1	Unit A	Definition, Aims and Objectives.
		Topic 1	
	BDS405.A2	Unit A	Scope of Oral and Maxillofacial Surgery
		Topic 2	
	BDS405.B	Unit B	
		Diagnosis in o	oral surgery
	BDS405.B1	Unit B	History taking
		Topic 1	
	BDS405. B2	Unit B	Clinical examination
		Topic 2	
	BDS405. B3	Unit B	Investigations.
		Topic 3	
	BDS405. C	Unit C	
		<b>Infection Con</b>	trol
	BDS405.C1	Unit C	Principlesofinfectioncontrolandcross-
		Topic 1	infectioncontrolwithparticularreferencetoHIV/AIDSand Hepatitis

BDS405. D	Unit D Principles	of Oral Surgery
BDS405. D1	Unit D	Asepsis
	Topic 1	



DD	DS405. D2	Unit D	Important common mycocal locions
DD	75405. DZ		Important common mucosal lesions
		Topic 2	
BD	DS405. D3	Unit D	Painless Surgery
		Topic 3	
BD	S405. D4	Unit D	Access – Intra Oral & Extra Oral
		Topic 4	
BD	DS405. D5	Unit D	Control of haemorrhage during surgery Normal Haemostasis, Local measures
		Topic 5	available to control bleeding, Hypotensive anaesthesia, etc
BD	DS405. D6	Unit D	Drainage & DebridementPurpose of drainage in surgical wounds
		Topic 6	
BD	S405. D7	Unit D	Closure of wounds
		Topic 7	
BD	S405. D8	Unit D	Post- operative care
		Topic 8	

	BDS405. E	1	
	BDS405. E1	Unit E	General considerations Ideal Extraction.
	220100121	Topic 1	
		10010	Extractions in medically compromised patients
	BDS405, E2	Unit E	Forceps or intra-alveolar or closed method. Principles, types of movement, force
	220100122	Topic 2	
	BDS405.E3	Unit E	Trans-alveolar, surgical or open method, Indications, surgical procedure.
	228100120	Topic 3	
		10010	commonly used elevators
	BDS405. E4	Unit E	Complications of Exodontia - Complications during exodontia Common to both
	228100121	Topic 4	
		r	management of complications.
BDS	5405. F		
Bl	DS405. F1	Unit	Incidence, definition, aetiology
		F	
		Topi	
		c 1	
Bl	DS405. F2	Unit 1	Impacted mandibular third molar. Classification, reasons for removal, Assessment -
		F 1	both
		Topi	Clinical& radiological Surgical procedures for removal. Complications during and
		c 2	after removal, Prevention and management.
Bl	DS405. F3		Maxillary third molar, Indications for removal, classification, Surgical procedure for
		F 1	removal.
		Topi	
		c 3	
Bl	DS405. F4	Unit 1	Impacted maxillary canine Reasons for canine impaction, Localization, indications
			for
			removal, Methods of management, labial and palatal approach, Surgical exposure,
		c 4	transplantation, removal etc
	BDS405. G		



BDS405.G1	Unit G	Definition, classification of procedures
	Topic 1	
BDS405.G2	Unit G	Corrective procedures: Alveoloplasty, Reduction of maxillary tuberosities,
	Topic 2	Frenectomies and removal of tori.
BDS405.G3	Unit G	Ridge extension or Sulcus extension procedures Indications and various surgical
	Topic 3	procedures
BDS405.G4	Unit G	Ridge augmentation and reconstruction. Indications, use of bone grafts,
	Topic 4	Hydroxyapatite Implants - concept of osseo integration Knowledge of various
		types of implants and surgical procedure to place implants.
BDS405. H		
BDS405.H1	Unit H	Surgical anatomy of the sinus. Sinusitis both acute and chronic
	Topic 1	
BDS405.H2	Unit H	Surgical approach of sinus - Caldwell-Luc procedure Removal of root from the
	Topic 2	sinus.
BDS405.H3	Unit H	Oro-antral fistula - aetiology, clinical features and various surgical methods for
	Topic 3	closure.
BDS405. I		
BDS405.I1	Unit I	Applied surgical anatomy of the joint.
DDG40574	Topic 1	
BDS405.I2	Unit I	Dislocation -Types, aetiology, clinical features and management. ankylosis -
	Topic 2	Definition, aetiology, clinical features and management.
BDS405.I3	Unit I	Myo-facial pain dysfunction syndrome, aetiology, clinical features, Management-
	Topic 3	Non surgical and surgical.
BDS405.I4	Unit I	Internal derangement of the joint. Arthritis of T.M. Joint.
DDC405 I	Topic 4	
BDS405. J	Unit J	
BDS405.J1	Topic 1	Introduction, factors responsible for infection, course of odontogenic infections,
	Topic 1	spread of odontogenic infections through various facial spaces. Dento-
DDC405 13	Unit J	alveolarabscess - aetiology, clinical features and management.
BDS405.J2	Topic 2	Osteomyelitis of the jaws - definition, aetiology, pre-disposing factors,
DDC405 12		classification, clinical features and management.
BDS405.J3	Unit J	Ludwigs angina - definition, aetiology, clinical features, management and
	Topic 3	complications.
DDC405 V	7	
BDS405. K	Unit K	Definition classification noths consider
BDS405.K1	Topic 1	Definition, classification, pathogenesis.
BDS405.K2	Unit K	Diagnosis - Clinical features, radiological, aspiration biopsy, use of contrast
DD0703.132	Topic 2	media and histopathology.
BDS405.K3	Unit K	Management - Types of surgical procedures, Rationale of the techniques,
DD3403.IX3	Topic 3	indications, procedures, complications etc.
BDS405. L	Topic 5	marcations, procedures, complications etc.
BDS405.L1	Unit L	Non adoptogenetic benign tumours accurring in area cavity, fibrane
DD3403.L1	Topic 1	Non odontogenetic benign tumours occuring in oral cavity - fibroma,

papilloma, lipoma, ossifying fibroma, myeloma etc.

Ameloblastoma - Clinical features, radiological appearance and methods of

Carcinoma of the oral cavity - Biopsy – types Outline of management of

BDS405.L2

BDS405.L3

Topic 1

Unit L Topic 2

Unit L Topic 3 management.

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		Beyond Boundaries
		Cell carcinoma: surgery, radiation and chemotherapy TNM classification.
BDS405.L4	Unit L Topic 4	Role of dental surgeons in the prevention and early detection of oral cancer.
BDS405. M	- spr	
BDS405.M1	Unit M	General considerations, types of fractures, etiology, clinical features and
	Topic 1	general principles of management.
BDS405.M2	Unit M	mandibular fractures - Applied anatomy, classification. Diagnosis - Clinical
	Topic 2	and radiological.
BDS405.M3	Unit M	Management - Reduction closed and open Fixation and immobilization
	Topic 3	Methods Outline of rigid and semi-rigid internal fixation.
BDS405.M4	Unit M	Fractures of the condyle - etiology, classification, clinical features, principles of
	Topic 4	management.
BDS405.M5	Unit M	Fractures of the middle third of the face.
	Topic 5	Definition of the mid face, applied surgical anatomy, classification, clinical
		features and outline of management.
BDS405.M6	Unit M	Alveolar fractures - methods of management Fractures of the Zygomatic
	Topic 6	Complex Classification, clinical features, indications for treatment, various
DDC405355	TT 1: 3 /	methods of reduction and fixation.
BDS405.M7	Unit M	Complications of fractures - delayed union, non-union and malunion.
BDS405. N	Topic 7	
BDS405.N1	Unit N	Diagnosis of salivary gland diseases.
DD5405.111	Topic 1	Diagnosis of sarryary grand diseases.
BDS405.N2	Unit N	Sialography, contrast media, procedure.
	Topic 2	
BDS405.N3	Unit N	Infections of the salivary glands
	Topic 3	Sialolithiasis - Sub mandibular duct and gland and parotid duct. Clinical
		features, management.
BDS405.N4	Unit N	Salivary fistulae
DDC405 NE	Topic 4 Unit N	Common tumous of solivous alonds like Diagnoushie adenous including
BDS405.N5	Topic 5	Common tumours of salivary glands like Pleomorphic adenoma including minor salivary glands.
BDS405. O	Topic 3	minor sanvary grands.
BDS405.O1	Unit O	Basic forms - Prognathism, Retrognathism and open bite. Reasons for correction
<b>DD</b> 5405.01	Topic 1	Busic forms Trognatinsin, Retrognatinsin and open one. Reusons for correction
BDS405.O2	Unit O	Outline of surgical methods carried out on mandible and maxilla.
	Topic 2	
BDS405. P		
BDS405.P1	Unit P	Trigeminal neuralgia - definition, aetiology, clinical features and methods
	Topic 1	of management including surgical.
BDS405.P2	Unit P	Facial paralysis - Aetiology, clinical features, Management
DDC405 D2	Topic 2	N
BDS405.P3	Unit P	Nerve injuries - Classification
BDS405. Q	Topic 3	
BDS405. Q BDS405.Q1	Unit Q	Aetiology of the clefts, incidence, classification, role of dental surgeon in
1y.curedud	Topic 1	the management of cleft patients.
	1 opic 1	the management of elect patients.

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BDS405. R1 BDS405. R1 BDS405. R1 BDS405. R1 BDS405. R2 BDS405. R2 BDS405. S2 BDS405. S1 BDS405. S2 BDS405. S1 BDS405. S2 BDS405. S1 BDS405. S2
BDS405.R1 Unit R Topic 1  BDS405.R2 Unit R Topic 2  BDS405.S Unit S Topic 1  BDS405.S DDS405.S Unit S Topic 1  BDS405.S DDS405.S Unit S Topic 1  BDS405.S DDS405.S Unit S Topic 1  BDS405.S Unit S Topic 1  BDS405.S Unit S Topic 2  BDS405.S Unit S Topic 2  BDS405.S Unit S Topic 2  BDS405.T Unit T Oral Implantology  BDS405.T Unit T Topic 1  BDS405.U Unit U Ethics  BDS405.U Unit U Ethics  BDS405.U Unit U Ethics Unit U Ethics Unit U Topic 1  BDS405.U Unit U Ethics Unit
Topic 1 Cardio Vascular, Respiratory, Endocrine  BDS405. R2 Unit R Topic 2 Primary care of medical emergencies in dental practice particularly - Anaphylactic reaction, Epilepsy, Epilepsy  BDS405. S1 Unit S Topic 1  BDS405.S2 Unit S Topic 2  BDS405. T Unit T Oral Implantology  BDS405. T1 Unit T Topic 1  BDS405. T2 Unit T Topic 2  BDS405. Unit T Topic 2  BDS405. Unit U Ethics  BDS405. U Unit U Ethics  BDS405. U Unit U Ethics  BDS405. U Unit U Ethics towards fellow doctor
BDS405. R2 Unit R Topic 2 Anaphylactic reaction, Epilepsy, Epilepsy  BDS405. S  BDS405.S1 Unit S Topic 1 Applied anatomy, Ideal location for giving these injections  Topic 2 Types and techniques  BDS405.S2 Unit S Topic 2 Types and techniques  BDS405. T Unit T Oral Implantology  BDS405. T1 Unit T Topic 1 Types of implants, and surgical procedure to install implants  BDS405. Unit U Ethics  BDS405. Unit U Ethics Ethics  BDS405. Unit U Ethics Ethics  BDS405. Unit U Ethics Ethics Ethics Ethics Ellow doctor
BDS405.S1 Unit S Topic 1  BDS405.S2 Unit S Topic 2  BDS405.T Unit T Oral Implantology  BDS405. T1 Unit T Topic 1  BDS405. T2 Unit T Topic 2  BDS405. T2 Unit T Topic 2  BDS405. T2 Unit T Topic 1  BDS405. Unit T Topic 1  BDS405. Unit T Topic 2  BDS405. Unit T Topic 2  BDS405. Unit T Topic 1  BDS405. Unit U Ethics  BDS405. Unit U Ethics  BDS405. Unit U Ethics Unit U Ethics Unit U Ethics Ethics Ethics towards work and patient
BDS405.S1 Unit S Topic 1  BDS405.S2 Unit S Topic 2  BDS405.T Unit T Oral Implantology  BDS405.T1 Unit T Topic 1  BDS405. T2 Unit T Topic 2  BDS405. Unit T Topic 1  BDS405. Unit T Topic 1  BDS405. Unit T Topic 2  BDS405. Unit U Ethics  BDS405. Unit U Ethics  BDS405. Unit U Ethics Ethics Ethics towards work and patient Topic 1  BDS405. Unit U Ethics Ethics Ethics towards fellow doctor
BDS405.S1 Unit S Topic 1  BDS405.S2 Unit S Topic 2  BDS405.T Unit T Oral Implantology  BDS405.T1 Unit T Topic 1  BDS405.T2 Unit T Topic 2  BDS405. Unit T Topic 2  BDS405. Unit T Topic 1  BDS405. Unit U Ethics  BDS405. Unit U Ethics General ethics towards work and patient Topic 1  BDS405. Unit U Ethics towards fellow doctor
BDS405.S2 Unit S Types and techniques  BDS405. T Unit T Oral Implantology  BDS405. T1 Unit T Topic 1  BDS405. T2 Unit T Types of implants, and surgical procedure to install implants Topic 2  BDS405. U Unit U Ethics  BDS405. U Unit U General ethics towards work and patient Topic 1  BDS405. U2 Unit U Ethics towards fellow doctor
BDS405.S2 Unit S Topic 2  BDS405. T Unit T Oral Implantology  BDS405. T1 Unit T Topic 1  BDS405. T2 Unit T Topic 2  BDS405. U Unit U Ethics  BDS405. U Unit U BDS405. U Unit U Ethics  BDS405. U Unit U Ethics  BDS405. U Unit U Ethics towards work and patient Topic 1  BDS405. U Unit U Ethics towards fellow doctor
BDS405. T Unit T Oral Implantology  BDS405. T1 Unit T Introduction  BDS405. T2 Unit T Types of implants, and surgical procedure to install implants  Topic 2  BDS405. U Unit U Ethics  BDS405. U1 Unit U General ethics towards work and patient  Topic 1  BDS405. U2 Unit U Ethics towards fellow doctor
BDS405. T Unit T Oral Implantology  BDS405. T1 Unit T Topic 1  BDS405. T2 Unit T Topic 2  BDS405. U Unit U Ethics  BDS405. U1 Unit U Topic 1  BDS405. U2 Unit U Ethics towards fellow doctor
BDS405. T1 Unit T Topic1  BDS405. T2 Unit T Topic 2  BDS405. U Unit U Ethics  BDS405. U Unit U Topic 1  BDS405. U Unit U Ethics  BDS405. U Unit U Topic 1  BDS405. U Unit U Topic 1  BDS405. U Unit U Topic 1  BDS405. U Unit U Ethics towards work and patient
BDS405. T1 Unit T Topic 1  BDS405. T2 Unit T Topic 2  BDS405. U Unit U Ethics  BDS405. U1 Unit U Topic 1  BDS405. U2 Unit U Topic 1  Ethics towards work and patient  BDS405. U2 Unit U Ethics towards fellow doctor
BDS405. T2 Unit T Topic 2  BDS405. U Unit U Ethics  BDS405. U1 Unit U Topic 1  BDS405. U2 Unit U Topic 1  Ethics towards work and patient  BDS405. U2 Unit U Ethics towards fellow doctor
BDS405. T2 Unit T Topic 2  BDS405. U Unit U Ethics  BDS405. U1 Unit U Topic 1  BDS405. U2 Unit U Topic 1  Ethics towards work and patient  Ethics towards fellow doctor
BDS405. U Unit U Ethics  BDS405. U1 Unit U Topic 1  BDS405. U2 Unit U Topic 1  Ethics towards work and patient Topic 1
BDS405. U1 Unit U Topic 1  BDS405. U2 Unit U Ethics towards work and patient Topic 1  Ethics towards fellow doctor
BDS405. U1 Unit U General ethics towards work and patient Topic 1  BDS405. U2 Unit U Ethics towards fellow doctor
Topic 1  BDS405. U2 Unit U Ethics towards fellow doctor
BDS405. U2 Unit U Ethics towards fellow doctor
Topic 2
BDS405. V
BDS405.V1 Unit V Introduction, concept of L.A., classification of local anaesthetic
Topic 1 agents, ideal requirements, mode of action, types of local
anaesthesia, complications.
BDS405.V2 Unit V Various Nerve Block
Topic 2 Techniques
BDS405. W Unit W Concept of general anaesthesia. Indications of general anaesthesia
Topic 1 in dentistry.
BDS405.W1 Unit W Pre-anaesthetic evaluation of the patient. Pre-anaesthetic
Topic 2   medication, advantages, drugs used. Commonly used anaesthetic
agents. Complication during and after G.A.
BDS405.W2 Unit W Cardiopulmonary resuscitation, Use of oxygen and emergency
Topic 3 drugs. Tracheostomy.
BDS405.W3 Unit W Concept of general anaesthesia. Indications of general anaesthesia
Topic 1 in dentistry.



		Attendance	Minimum 75% is Needed for both theory and clinical practical	
1	C	Discussions	Every day in Practicals	
1.	Course evaluation	Any Other	Various Surgical Procedures I	Demonstration on Patients
		Annual examination	200 Marks (100 marks Theory	+ 100 marks Practical)
	Text book/s*	1. Text book	of Oral And Maxillofacial	Neelima Anil Malik
		Surgery		
2.		2. Handbook of LOCAL ANESTHESIA		Stanley F. Malamed
4.		3. MEDICAL DENTAL (	EMERGENCIES in the OFFICE	Stanley F. Malamed
		TED learning,		
3.	Other References	EBSCOHOST		
		Various scientific	articles from various sources	



### **Course Templates –**

### 2.1 Template A1: Syllabus

School: School of Dental Sciences		Batch: 2021-2026
Program:		BDS (Bachelor of Dental Surgery)
1	Course Code	BDS406
2	Course Title	CONSERVATIVE DENTISTRY & ENDODONTICS
3	Credits	NA
4	Contact Hours	110-0-460
	(L-T-P)	
	Course Type	Compulsory (CORE)
5	Course Objective	1: Students are provided with knowledge to diagnose dental caries and skilled to treat it.
		2: To train the students about the importance, role, use and techniques of radiographs/digital radiographs and other imaging modalities in diagnosis.
		3: Be Competent to perform Class I and Class II cavities and their
		restoration with amalgam.
		4: Be able to restore class V and Class III cavities with glass
		ionomer cement.
		5: Be able to diagnose and appropriately treat pulpaly involved teeth
		(pulp capping procedures).
		<b>6</b> : Be able to perform RCT for anterior teeth.
		7: Be competent to carry out small composite restorations
		8: Understand the principles of aesthetic dental procedures
		9: Students are geared to maintain high standard of professional
		ethics and conduct and apply it willingly in all aspects of
		professional life.

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6	Course Outcomes	<b>CO406.1:</b> Impart clinical skills to student which will help them in providing quality treatment and basic endodontic procedure skill.
		<b>CO406.2:</b> Practice Dentistry in a competent and ethical manner which will contribute to the oral health and general well-being of patient.
		<b>CO406.3:</b> Professional Behaviour, basic skills to carry out range of Dental Procedure in General dental Practice.
		<b>CO406.4:</b> Importance of life -long learning and updating the knowledge in the field of Restorative Dentistry & Endodontics.
7	Course Description	The course offers Knowledge: Possess a thorough knowledge and comprehension of diagnosis and dental management of the Caries in addition to the infection control measures in the dental clinic setting.
		Patient management: Take proper chair side history, clinical examination of patient and perform dental diagnostic procedures including radiographs and formulate a proper treatment plan.
		Patient treatment: Carry out appropriate and effective dental management of patients, once the diagnosis and treatment plan has been outlined. To motivate, educate and counsel the patient regarding the importance of dental care.

8	Outline sylla	bus	
	BDS406.A	UNIT A INT	RODUCTION TO ENDODONTICS
	BDS406.A1	Unit A Topic 1	Definition
	BDS406.A2	Unit A Topic 2	Importance of Endodontics
	BDS406.A3	Unit A Topic 3	Scope & Future of Endodontics
			TIONALE &PRINCIPLES OF ENDODONTICS
	BDS406.B1	Unit B Topic 1	Case selection, indication and contraindications for root canal treatments
	BDS406 B2	Unit B Topic 2	Clinical diagnostic methods Case history, diagnosis and treatment plan.
	BDS406 B3	Unit B Topic 3	Microbiology of endodontic infection.

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BDS406 B4	Unit B Topic 4	Isolation and infection control in Endodontics (Rubber dam application)
BDS406. C	UNIT C END	ODONTIC INSTRUMENTS
BDS406 C1	Unit C	Hand instruments
	Topic 1	
BDS406 C2	Unit C	Power driven instruments
	Topic 2	
BDS406C3	Unit C	Standardization
	Topic 3	

BDS406 C4	Unit C	Principles of using endodontic instruments	
	Topic 4		
BDS406 C5	Unit C	Sterilization	
	Topic 5		
BDS406 D	Unit D PULPAL DISEASES		
BDS406 D1	Unit D	Classification, etiology, diagnosis, management.	
	Topic 1		
BDS406E	UNIT E		
	PERIAPICA	L DISEASES	
BDS406E1	Unit E	Classification, etiology, diagnosis, management.	
	Topic 1		
BDS406F	UNIT F		
		P THERAPY:	
BDS406F1	Unit F	Indirect and direct pulp capping	
	Topic 1		
BDS406F2	Unit F	Pulpotomy - types and medicaments used	
	Topic 2		
BDS406F3	Unit F	Apexogenesis and apexification and problems of open apex	
	Topic 3		
BDS406G	Unit G		
	Esthetics in o		
BDS406 G1	Unit G	Introduction and scope	
	Topic 1		
BDS406 G2	Unit G	Anatomy and physiology of smile	
77010101	Topic 2		
BDS406G3	Unit G	Role of colour and translucency	
<b>DDG40</b> 6 3 1	Topic 3		
BDS406 G4	Unit G	Esthetic recontouring & Management of discoloured teeth	
	Topic 4		

BDS406 H	UNIT H: COMPOSITE RESTORATIONS	
BDS406H1	Unit H	Indications, contraindications, advantages and disadvantages



	Beyond Boundar
Topic 1	
Unit H	Stepwise procedure of tooth preparation for composite restoration.
Topic 2	
Unit H	Clinical technique for posterior direct composite restorations
Topic 3	
Unit H	Finishing and polishing of composite restoration
Topic 4	
Unit I	Indications, contraindications, advantage and disadvantages
Topic 1	
Unit I	Materials used & Types of bevels in cast restoration
Topic 2	
Unit I	Fabrication of wax patterns
Topic 3	
Unit I	Differences in tooth preparation for amalgam and cast restorations
Topic 4	
UNIT J:	CASTING
Unit J	Die materials and preparation of dies
Topic 1	
Unit J	Alloys used for casting & Casting procedure
Topic 2	
Unit J	Casting defects
Topic 3	
	Unit H Topic 2 Unit H Topic 3 Unit H Topic 4 Unit I Topic 1 Unit I Topic 2 Unit I Topic 3 Unit I Topic 3 Unit I Topic 4 UNIT J: Unit J Topic 1 Unit J Topic 2 Unit J Topic 2



BDS406K	Unit K: Temporisation or interim restoration		
BDS406K1	Unit K Topic 1	T T T T T T T T T T T T T T T T T T T	
BDS406L	UNIT L: ROOT CARIES		
BDS406L1	Unit L Topic 1	Etiology, clinical features and management	
BDS406M	-	ON- CARIOUS DESTRUCTION OF TOOTH STRUCTURE	
BDS406 N	UNIT N: (	Ceramic Restorations	
BDS406 N1	Unit N Topic 1	Indications, contraindications, advantages, disadvantages	
BDS-406N2	Unit N Topic 2	Recent Advances & Techniques in Brief	
BDS406 O		RECT FILLING GOLD RESTORATIONS	
BDS406O1	Unit O Topic 1	Tooth preparation and Restoration	
BDS406O2	Unit O Topic 2	Indications, contraindications, advantages, disadvantages	
BDS406 P	UNIT P: ANATOMY OF PULP SPACE		
BDS406 Q	UNIT Q: ACCESS PREPARATION		
BDS406 Q1	UNIT Q Topic1	Objectives& Principles	
BDS406 Q2	UNIT Q Topic2	Instruments & Steps	
BDS406 R	UNIT R: DISINFECTION OF ROOT CANAL SPACE		
BDS406 R1	UNIT R Topic1	Irrigants: Functions & Types	
BDS406 R2	UNIT R Topic2	Intracanal Medicaments: Function & Types	
BDS406 S	UNIT S: OBTURATION OF THE ROOT CANAL SYSTEM		
BDS406 S1	UNIT S TOPIC1	Materials- Ideal root canal filling material, classification of materials	
BDS406 S2	UNIT S TOPIC2	Classification and procedure	
BDS406 T		OST ENDODONTIC RESTORATION	
BDS406 T1	UNIT T TOPIC1	Materials used	
BDS406 T2	UNIT T	Procedure	



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		TOPIC 2	
	<b>BDS406</b> U	UNIT U: TRA	AUMATIZED TEETH
	<b>BDS406 U1</b>	UNIT U	Classification of fractured teeth
		TOPIC1	
	BDS406 U2	UNIT U	Management of fractured tooth
		TOPIC2	
	BDS406 V	UNIT V: ENI	DODONTIC SURGERIES
	BDS406 V1	UNIT V	Indication &contraindications
		TOPIC1	
	BDS406 V2	UNIT V	Surgical instruments and techniques
		TOPIC2	
	<b>BDS406 W</b>	UNIT W: RE	TREATMENT IN ENDODONTICS
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		Attendance	Minimum 75% is Needed for both theory and clinical practical	
		Quizzes	Taken in every 3 months	
1.	<b>Course evaluation</b>	Presentations	Video Presentation	
		Any Other	Project based learning, Assign	nments.
		Annual	Theory - 100 Marks	
		examination	Practical – 100 Marks	
2.	Text book/s*	The Art & Science of Operative Dentistry Principle & Practice of Operative Dentistry Grossman's Endodontic Practice  Charbeneu, Varghese Publishing, Mumbai B. Suresh Chandra & Gopi Krishna, Wolter		Sturdivant, Mosby U.S.A Charbeneu, Varghese Publishing, Mumbai B. Suresh Chandra & V. Gopi Krishna, Wolters Kluwer
3.	Other References	LMS TED learning EBSCOHOST Various scientific	articles from various sources	



## Course Templates – 2.1 Template A1: Syllabus

School: School of Dental		Batch: 2021-26
Science		DDS (Pachalor of Dantal Surgary)
Progr	am;	BDS (Bachelor of Dental Surgery)
1	Course Code	BDS-407
2	Course Title	PROSTHODONTICS, CROWN AND BRIDGE
3	Credits	NA
4	Contact Hours (L-T-P)	110-0-460
	Course Type	Compulsory (CORE)
5	Course Objective	1. Training programme for graduates in prosthetic dentistry including
		Crown & Bridge & Implantology is structured to achieve knowledge and
		skill in theoretical and clinical laboratory, attitude, communicative skills
		and ability to research with understanding of social, cultural, educational
		& environmental background of the society.
		2. The undergraduate training programme provides lectures, seminars,
		clinical experience and clinical teaching in the period of five year dental
		curriculum, students are exposed to a wide range of patients with
		prosthetic problem and all students get extensive pre-clinical and clinical
		experience in the department.
6	<b>Course Outcomes</b>	CO407.1 Dental graduate with knowledge on prosthetics needs of
		patients, fabrication of all Prosthodontic modes of treatment.
		CO407.2 Dental graduate who is able to diagnose motivate and treat
		patients who are completely and partially edentulous (including
		geriatric patients) with complete & partial dentures
		CO407.3 Dental graduate skilled enough to identify cases requiring
		prosthodontics specialist treatment needs and refer them for further
		follow up.
7	Course Description	It is the dental speciality pertaining to the diagnosis, treatment planning, rehabilitation and maintenance of the oral function, comfort, appearance & health of patients with clinical conditions associated with missing or deficient teeth & or maxillofacial tissues by using biocompatible tissues.



Outline sy	llabus			
BDS- Unit A				
407.A	COMPLE	TE DENTURES		
BDS-	Unit A	Applied Anatomy and Physiology- Introduction, Biomechanics of the edentulous		
407.A1	Topic 1	state, Residual Ridge Resorption.		
BDS-	Unit A	Communicating with the patient-Understanding the patients, mental attitude,		
407.A2	Topic 2	Instructing the patient		
BDS.407.	Unit A	Diagnosis and Treatment Planning for patients- (i) with some teeth remaining, (ii)		
A3	Topic 3	with no teeth remaining. (Systemic status, Local Factor, The geriatric patient, Diagnostic procedures)		
BDS-	Unit A	Articulators- Discussion		
407.A4	Topic 4			
BDS-	Unit A	Improving the patients denture foundation and ridge relation- an overview.		
407.A5	Topic 5	a) Pre-Operative Examination		
		b) Initial hard & soft Tissue procedure		
		c) Secondary hard & soft tissue procedure		
		d) Implant procedure		
		e) Congenital deformities		
		f) Postoperative procedure		
		1) Postoperative procedure		
BDS.407.	Unit A	Principles of Retention, Support and Stability		
<b>A6</b>	Topic 6			
BDS- UnitA Impressions-detail		Impressions-detail		
407.A7	Topic 7	a) Muscles of facial expression		
		b) Biological Considerations for maxillary and mandibular impression		
		incuding anatomy landmark and their interpretation.		
		c) Impression Objectives		
		d) Impression materials		
		e) Impression techniques		
		, 1		
		f) Maxillary & Mandibular Impression procedures		
		i) Preliminary Impressions		
		ii) Final Impressions		
		g) Laboratory procedures involved with impression making (Beading &		
		Boxing, Cast preparation)		
BDS-	Unit A	Record Bases and Occlusion Rims		
407.A8	Topic 8	a) Materials & Techniques		
107.1110	Topic o	b) Useful Guidelines and Ideal Parameters		
		c) Recording and transferring bases and occlusal rims		
BDS.407.	UnitA	Biological Consideration in jaw relation & jaw movements- Craniomandibular		
A9	Topic 9	relations.		
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BDS- 407.A10 BDS- 407.A10 BDS- 407.A10 BDS- 407.A11 BDS- 407.A13 BDS- 407.A15 BDS- 407.A15 BDS- 407.A16 BDS-			A) Mandibular Movements
BDS- 407.A10 BDS- 407.A11 BDS- 407.A12 BDS- 407.A12 BDS- 407.A13 BDS- 407.A13 BDS- 407.A14 BDS- 407.A14 BDS- 407.A14 BDS- 407.A14 BDS- 407.A14 BDS- 407.A14 BDS- 407.A15 BDS- 407.A16 BDS-			
BDS- 407.A10  BDS- 407.A11  Topic 10  BDS- 407.A11  BDS- 407.A12  BDS- 407.A13  BDS- 407.A13  BDS- 407.A14  BDS- 407.A14  BDS- 407.A14  BDS- 407.A14  BDS- 407.A16  BDS- 4			
### August			C) Concept of occlusion
### August	BDS-	Unit A	Relating the patient to the Articulator
BDS- 407.A11 Topic 11  Recording maxillomandibular relation a) Vertical Relations b) Centric Relation Records c) Eccentric Relation Records d) Lateral relation records  BDS.407. A12  Topic 12  Topic 12  Topic 12  BDS- 407.A13  BDS- 407.A14  Topic 13  Relating Inclination of teeth to concept of occlusion a) Neutrocentric Concept b) Balanced Occlusal Concept  Trial Dentures  Topic 15  BDS- 407.A14  Topic 15  A15  Topic 15  A16  Topic 15  Relating Inclination of teeth to concept of occlusion a) Neutrocentric Concept b) Balanced Occlusal Concept  Trial Dentures  a) Wax Contouring b) Investing of Dentures c) Preparing of mold d) Preparing & packing acrylic resin e) Processing of Dentures f) Recovery of Dentures g) Lab Remount procedures h) Recovering of Complete Denture i) Finishing and polishing of Complete Denture j) Plaster Cast for Clinical Denture Remount Procedure  BDS- 407.A16  Topic 16  Denture Insertion a) Insertion procedures b) Clinical errors c) Correction Occlusal disharmony	407.A10	Topic 10	
407.A11 Topic 11  a) Vertical Relations b) Centric Relation Records c) Eccentric Relation Records d) Lateral relation records  BDS.407. A12 Topic 12  BDS- 407.A13 Topic 13  BDS- 407.A14 Topic 14  BDS- A15 Topic 15  BDS- A16 Topic 15  BDS- A17 Topic 15  BDS- A18 Topic 15  BDS- A19 Topic 15  BDS- A19 Topic 15  BDS- A15 Topic 16  BDS- BDS- BDS- BDS- BDS- BDS- BDS- BDS			b) Face bow transfer procedure
b) Centric Relation Records c) Eccentric Relation Records d) Lateral relation records  BDS.407. A12  Topic 12  BDS-407.A13  BDS-407.A14  Topic 13  BDS-407.A15  BDS-407.A16  Topic 15  BDS-407.A16  Topic 15  BDS-407.A16  Denture Relation Records d) Lateral relation records  Tooth Selection and Arrangement a) Anterior teeth b) Posterior teeth c) Esthetic & Functional harmony  Relating Inclination of teeth to concept of occlusion a) Neutrocentric Concept b) Balanced Occlusal Concept  Trial Dentures  Trial Dentures  a) Wax Contouring b) Investing of Dentures c) Preparing of mold d) Preparing & packing acrylic resin e) Processing of Dentures f) Recovery of Dentures g) Lab Remount procedures h) Recovering of Complete Denture j) Plaster Cast for Clinical Denture Remount Procedure  BDS-407.A16  Topic 16  Denture Insertion a) Insertion procedures b) Clinical errors c) Correction Occlusal disharmony	BDS-	Unit A	Recording maxillomandibular relation
c) Eccentric Relation Records d) Lateral relation records  BDS.407. Variety And Topic 12  BDS-407.A13  BDS-407.A14  BDS-407.A15  BDS-407.A16  Contact And Topic 14  BDS-407.A16  Contact And Topic 15  Contact And Topic 16	407.A11	Topic 11	a) Vertical Relations
d) Lateral relation records  BDS-407. Unit A Topic 12  BDS-407.A13  BDS-407.A14  Topic 13  BDS-407.A15  BDS-407.A15  BDS-407.A16  BDS-50  BDS-407.A16  A15  BDS-407.A16  BDS-407.A16  A15  BDS-407.A16  BDS-407.A16  A15  BDS-407.A16  BDS-407.			b) Centric Relation Records
BDS.407. A12 Topic 12 Doth Selection and Arrangement a) Anterior teeth b) Posterior teeth c) Esthetic & Functional harmony  Relating Inclination of teeth to concept of occlusion a) Neutrocentric Concept b) Balanced Occlusal Concept  BDS.407.A14 Topic 14 BDS.407. A15 Topic 15 Doth A Topic 16 Doth A Top			c) Eccentric Relation Records
A12 Topic 12 a) Anterior teeth b) Posterior teeth c) Esthetic & Functional harmony  BDS- 407.A13 Topic 13  BDS- 407.A14 Topic 14  BDS.407. A15  BDS- A15  BDDS- A15  BDS- A15  B			d) Lateral relation records
BDS- 407.A13 Unit A Topic 13 Topic 14  BDS.407.A14 Topic 15 Topic 16 Topic	BDS.407.	Unit A	Tooth Selection and Arrangement
BDS- 407.A13  Topic 13  Relating Inclination of teeth to concept of occlusion  a) Neutrocentric Concept b) Balanced Occlusal Concept  BDS- 407.A14  Topic 14  Trial Dentures  Topic 15  A15  Topic 15  A16  Topic 15  A17  Topic 16  Relating Inclination of teeth to concept of occlusion  a) Neutrocentric Concept b) Balanced Occlusal Concept  Trial Dentures  Topic 14  Trial Dentures  A17  Topic 15  A18  Topic 15  A19  Topic 15  A19  Topic 15  A19  Topic 16  Relating Inclination of teeth to concept of occlusion  A19  Topic 14  A19  Topic 14  Topic 14  Topic 14  Topic 15  A19  Topic 16  Topic 16  Relating Inclination of teeth to concept of occlusion  A19  Neutrocentric Concept  A19  Topic 16  Topic 16  Relating Inclination of teeth to concept of occlusion  A20  A20  Topic 14  Topic 16  Topic 1	A12	Topic 12	a) Anterior teeth
BDS- 407.A13 Topic 13 Relating Inclination of teeth to concept of occlusion a) Neutrocentric Concept b) Balanced Occlusal Concept  BDS- 407.A14 Topic 14  Trial Dentures  Topic 15  A15 Topic 15  A15 Topic 15  A16  A17  A18  BOS- A18  Topic 16  Relating Inclination of teeth to concept of occlusion a) Neutrocentric Concept b) Balanced Occlusal Concept  Trial Dentures  a) Wax Contouring b) Investing of Dentures c) Preparing of mold d) Preparing & packing acrylic resin e) Processing of Dentures f) Recovery of Dentures g) Lab Remount procedures h) Recovering of Complete Denture i) Finishing and polishing of Complete Denture j) Plaster Cast for Clinical Denture Remount Procedure  BDS- 407.A16 Topic 16  Denture Insertion a) Insertion procedures b) Clinical errors c) Correction Occlusal disharmony			b) Posterior teeth
A07.A13 Topic 13  a) Neutrocentric Concept b) Balanced Occlusal Concept  BDS-407.A14 Topic 14  BDS.407. Unit A A15 Topic 15  A15 Topic 15  A16 Processing of Dentures c) Preparing of mold d) Preparing & packing acrylic resin e) Processing of Dentures f) Recovery of Dentures g) Lab Remount procedures h) Recovering of Complete Denture i) Finishing and polishing of Complete Denture j) Plaster Cast for Clinical Denture Remount Procedure  BDS-407.A16 Topic 16  A07.A16 Topic 16  BDS-10 Unit A Topic 16  Correction Occlusal disharmony			c) Esthetic & Functional harmony
A07.A13 Topic 13  a) Neutrocentric Concept b) Balanced Occlusal Concept  BDS-407.A14 Topic 14  BDS.407. Unit A A15 Topic 15  A15 Topic 15  A16 Processing of Dentures c) Preparing of mold d) Preparing & packing acrylic resin e) Processing of Dentures f) Recovery of Dentures g) Lab Remount procedures h) Recovering of Complete Denture i) Finishing and polishing of Complete Denture j) Plaster Cast for Clinical Denture Remount Procedure  BDS-407.A16 Topic 16  A07.A16 Topic 16  BDS-10 Unit A Topic 16  Correction Occlusal disharmony	BDS-	Unit A	Relating Inclination of teeth to concept of occlusion
BDS-407. A15  Correction Occlusal disharmony  Unit A Topic 14  Trial Dentures  Trial Dentures  Trial Dentures  Trial Dentures  Trial Dentures  Trial Dentures  Dentures  a) Wax Contouring  b) Investing of Dentures  c) Preparing of mold  d) Preparing & packing acrylic resin  e) Processing of Dentures  f) Recovery of Dentures  g) Lab Remount procedures  h) Recovering of Complete Denture  i) Finishing and polishing of Complete Denture  j) Plaster Cast for Clinical Denture Remount Procedure  BDS-407.A16  Topic 16  a) Insertion procedures  b) Clinical errors  c) Correction Occlusal disharmony	407.A13	Topic 13	
## A15   Topic 15   Laboratory Procedures  A15   Topic 15   Dinvesting of Dentures   Color Preparing of Mold     Color Preparing & packing acrylic resin     Color Preparing & packing acrylic resin			b) Balanced Occlusal Concept
BDS.407. A15  Topic 15  a) Wax Contouring b) Investing of Dentures c) Preparing of mold d) Preparing & packing acrylic resin e) Processing of Dentures f) Recovery of Dentures g) Lab Remount procedures h) Recovering of Complete Denture i) Finishing and polishing of Complete Denture j) Plaster Cast for Clinical Denture Remount Procedure  BDS- 407.A16  Topic 16  Denture Insertion a) Insertion procedures b) Clinical errors c) Correction Occlusal disharmony		Unit A	Trial Dentures
A15  Topic 15  a) Wax Contouring b) Investing of Dentures c) Preparing of mold d) Preparing & packing acrylic resin e) Processing of Dentures f) Recovery of Dentures g) Lab Remount procedures h) Recovering of Complete Denture i) Finishing and polishing of Complete Denture j) Plaster Cast for Clinical Denture Remount Procedure  BDS- 407.A16  Topic 16  a) Insertion a) Insertion c) Correction Occlusal disharmony		_	
b) Investing of Dentures c) Preparing of mold d) Preparing & packing acrylic resin e) Processing of Dentures f) Recovery of Dentures g) Lab Remount procedures h) Recovering of Complete Denture i) Finishing and polishing of Complete Denture j) Plaster Cast for Clinical Denture Remount Procedure  BDS- 407.A16 Topic 16 Denture Insertion a) Insertion procedures b) Clinical errors c) Correction Occlusal disharmony			
c) Preparing of mold d) Preparing & packing acrylic resin e) Processing of Dentures f) Recovery of Dentures g) Lab Remount procedures h) Recovering of Complete Denture i) Finishing and polishing of Complete Denture j) Plaster Cast for Clinical Denture Remount Procedure  BDS- 407.A16  Unit A Topic 16  Denture Insertion a) Insertion procedures b) Clinical errors c) Correction Occlusal disharmony	A15	Topic 15	
d) Preparing & packing acrylic resin e) Processing of Dentures f) Recovery of Dentures g) Lab Remount procedures h) Recovering of Complete Denture i) Finishing and polishing of Complete Denture j) Plaster Cast for Clinical Denture Remount Procedure  BDS- 407.A16 Denture Insertion a) Insertion procedures b) Clinical errors c) Correction Occlusal disharmony			
e) Processing of Dentures f) Recovery of Dentures g) Lab Remount procedures h) Recovering of Complete Denture i) Finishing and polishing of Complete Denture j) Plaster Cast for Clinical Denture Remount Procedure  BDS- 407.A16 Topic 16 Denture Insertion a) Insertion procedures b) Clinical errors c) Correction Occlusal disharmony			
f) Recovery of Dentures g) Lab Remount procedures h) Recovering of Complete Denture i) Finishing and polishing of Complete Denture j) Plaster Cast for Clinical Denture Remount Procedure  BDS- 407.A16 Topic 16 a) Insertion a) Insertion procedures b) Clinical errors c) Correction Occlusal disharmony			
g) Lab Remount procedures h) Recovering of Complete Denture i) Finishing and polishing of Complete Denture j) Plaster Cast for Clinical Denture Remount Procedure  BDS- 407.A16 Topic 16 Denture Insertion a) Insertion procedures b) Clinical errors c) Correction Occlusal disharmony			e) Processing of Dentures
h) Recovering of Complete Denture i) Finishing and polishing of Complete Denture j) Plaster Cast for Clinical Denture Remount Procedure  BDS- 407.A16 Topic 16 a) Insertion a) Insertion procedures b) Clinical errors c) Correction Occlusal disharmony			f) Recovery of Dentures
i) Finishing and polishing of Complete Denture j) Plaster Cast for Clinical Denture Remount Procedure  BDS- 407.A16 Topic 16 a) Insertion procedures b) Clinical errors c) Correction Occlusal disharmony			g) Lab Remount procedures
BDS- 407.A16  Unit A Topic 16  Denture Insertion  a) Insertion procedures b) Clinical errors c) Correction Occlusal disharmony			h) Recovering of Complete Denture
BDS- 407.A16 Topic 16 a) Insertion a) Insertion procedures b) Clinical errors c) Correction Occlusal disharmony			i) Finishing and polishing of Complete Denture
407.A16 Topic 16  a) Insertion procedures b) Clinical errors c) Correction Occlusal disharmony			j) Plaster Cast for Clinical Denture Remount Procedure
407.A16 Topic 16  a) Insertion procedures b) Clinical errors c) Correction Occlusal disharmony	BDS-	Unit A	Denture Insertion
c) Correction Occlusal disharmony	407.A16	Topic 16	
			b) Clinical errors
			c) Correction Occlusal disharmony
BDS- Unit A Treating Problems with associated denture use 407.A17 Topic 17			Treating Problems with associated denture use

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		Beyond Boundarie
BDS.407.	Unit A	Treating Abused Tissues
A18	Topic 18	
BDS-	Unit A	Relining and rebasing of dentures
407.A19	Topic 19	
BDS-	Unit A	Immediate Complete dentures construction procedure
407.A20	Topic 20	
BDS.407.	Unit A	The Single Complete Denture
A21	Topic 21	The single complete Beneare
BDS-	Unit A	Overdentures
407.A22	Topic 22	Overdentures
BDS-	Unit A	Dental Implants in Complete Denture
407.A23		Dental Implants in Complete Dentale
	Topic 23	
BDS.407.	Unit B	TE DADOLAT DENOTIDES
В	REMOVAB	LE PARTIAL DENTURES
BDS.407.	Unit B	Diagnosis and Treatment planning of Removable Partial Denture Cases.
		Diagnosis and Treatment planning of Removable Fartial Denture Cases.
B1 BDS.407.	Topic 1 Unit B	Introduction terminals aims and Coope (notice to sale stice / transferent relevants)
		Introduction, terminologies and Scope (patient selection/ treatment planning)
B2	Topic 2	
BDS.407.	Unit B	Components of Removable Partial Denture
B3	Topic 3	
BDS.407.	Unit B	Major Connectors
<b>B4</b>	Topic 4	
BDS.407.		Minor Connectors
B5		Rest and Rest seats
BDS.407.	Unit B	Components of Removable Partial Denture
<b>B6</b>	Topic 5	A) Direct retainers
		B) Indirect Retainers
		C) Tooth Replacement
		C) Tooth Replacement
BDS.407.	Unit B	Principles of Removable Partial Denture Design
<b>B7</b>	Topic 6	
BDS.407.	Unit B	Survey and Design
B8	Topic 7	a) Surveyors
	F - 1	b) Surveying
		c) Designing
BDS.407. Unit B		Mouth preparation and Master Cast
<b>B9</b> Topic 8		FParanton and management Canal
<b>BDS.407.</b> Unit B		Impression materials and procedures for RPD
B10	Topic 9	The state of the process of the proc
BDS.407.E		Preliminary Jaw relation and esthetic try-in form some anterior replacement teeth
220.107.1	Topic	222 minutes of the control of the co
	10	
BDS.407.E		Laboratory procedures for framework construction
12	Topic 11	Lacormory procedures for framework construction
14	1 opic 11	



DDC 407 D	II ' D	Beyond Boundari	
BDS.407.B	Unit B	Fitting the framework	
13	Topic 12		
BDS.407.B	Unit B	Tri-in of the partial denture	
14	Topic 13		
BDS.407.B	Unit B	Completion of the partial denture	
15	Topic 14	Compression of the pursual desirence	
	Unit B	Insorting the DDD	
BDS.407.B		Inserting the RPD	
16	Topic 15		
<b>BDS.407.B</b>	Unit B	Postinsertion observations	
17	Topic 16		
BDS.407.B	Unit B	Temporary acrylic Partial Dentures	
18	Topic 17		
BDS.407.B	Unit B	Immediate RPD	
		Ininiculate Ki D	
19	Topic 18		
BDS.407.B	Unit B	RPD opposing Single Complete Denture	
20	Topic 19		
BDS.407.B	Unit B	Maintenance phase	
21	Topic 20		
BDS-407 C	Unit C	FIXED PARTIAL DENTURES	
<b>BBB</b> -407 C		TIXED TAXIAL DENTOKES	
DDC 405	Unit C	T . 1	
BDS-407		Introduction	
C1	Topic 1		
<b>BDS-407</b>	Unit C	Fundamentals of Occlusion	
<b>C2</b>	Topic 2		
BDS-407	Unit C	Articulators	
C3 Topic 3			
BDS-407 Unit C Treatment planning for single tooth restorations		Treatment planning for single tooth restorations	
C4	Topic 4		
<b>BDS-407</b>	Unit C	Treatment planning for the replacement of missing teeth including selection and	
C5	Topic 5	choice of abutment teeth	
<b>BDS-407</b>	Unit C	Fixed Partial denture Configurations	
C6	Topic 6		
BDS-407	Unit C	Principles of tooth preparation	
C7	Topic 7		
BDS-407	•	Praparations for full vanear growns	
		1 reparations for full vehicle crowns	
C8	Topic 8		
BDS-407 Unit C Preparations for partial veneer crowns		Preparations for partial veneer crowns	
C9	Topic 9		
BDS-407 Unit C Provisional Restorations		Provisional Restorations	
<b>C10</b> Topic 10			
BDS-407 Unit C Fluid Control & Soft Tissue Management		Fluid Control & Soft Tissue Management	
C11 Topic 11		Tista Control & Bott Tibbuo Fluingomont	
1		Turmungainna	
BDS-407 Unit C Impressions		Impressions	
C12	Topic 12		
<b>BDS-407</b>	Unit C	Working Casts and Dies	
C13	Topic 13		
BDS-407	Unit C	Wax Patterns	
220 101		11 die 2 decemb	



C14	Topic 14			
<b>BDS-407</b>	Unit C	Pontics and Edentulous Ridges		
C15	Topic 15			
<b>BDS-407</b>	Unit C	Esthetic Considerations		
C16	Topic 16			
<b>BDS-407</b>	Unit C	Finishing and Cementation		
C17	Topic 17			
<b>BDS-407</b>	Unit C	Topics to be covered in brief-		
C18	Topic 18	a) Solder joints and other connectors		
		b) All-Ceramic Restorations		
		c) Metal-Ceramic Restorations		
		d) Preparations of Intracoronal Restorations		
		e) Preparations for extensively damaged teeth		
		f) Preparations for periodontally weakened teeth		
		g) The functionally generated path technique		
		h) Investing and Casting		
		i) Resin-Bonded Fixed Partial Dentures		

		Attendance	Minimum 75% is Needed for both theory and clinical practical		
		Quizzes	Taken in every 3 months		
1.	Course evaluation	Presentations	Video Presentation		
1.	Course evaluation	Any Other	Project based learning, flip le	arning, Assignments	
		Annual	Theory-100 Marks		
		Examination	Practical-100Marks		
	Text book/s*	8. Syllabus of Complete denture		Charles M. Heartwell Jr,	
		9. Bouchers "Prosthodontic Treatment for		ArthurO.Rahn	
2.		Edentulous Patients		Boucher	
4.				of Complete Prosthodontics	
		11. Mc. Crake	en's RPD	Sheldon winkler	
	Other References	TED learning			
3.		EBSCOHOST			
		Various scientific articles from various sources			



## Course Templates – 2.1 Template A1: Syllabus

School: School of		Batch: 2021-2026
<b>Dental Sciences</b>		
Pr	ogram:	BDS (Bachelor of Dental Surgery)
1	Course Code	BDS408
2	Course Title	PEDIATRIC & PREVENTIVE DENTISTRY
3	Credits	NA
4	Contact Hours (L-T-P)	65-0-200
	Course Type	Compulsory (CORE)
5	Course Objective	<ol> <li>Complete and comprehensive oral assessment of a child patient.</li> <li>Organise a treatment plan that will fulfill a childs behavior, preventive, restorative and interseptive orthodontic needs.</li> <li>Assess a pediatric patient, councel the parent/guardian and use appropriate behavior management effective communication strategies to make dental experience positive for children</li> <li>Perform and provide both preventive and therapeutic dental treatment for infants, children and adolescents including those with special health care needs and demonstrate professionalism and ethical practice in patient care clinics.</li> </ol>
6	Course Outcomes	CO 408.1: Adequate knowledge of the development, structure and function of the teeth, mouth and jaws and associated tissues both in health and disease and their relationship and effect on general-state of health and also the bearing on physical and social well-being of the child patient.  CO 408.2: Adequate knowledge of biological function and behavior of child in health and sickness as well as the influence of the natural and social environment on the state of health so far as it affects dentistry.  CO 408.3: Able to diagnose and manage various common dental problems encountered in pediatric dental practice, keeping in mind the expectations and the right of the society to receive the best possible treatment available wherever possible.  CO 408.4: Able to communicate effectively with patient, parent or guardian.
7	Course Description	In Paediatric dentistry, the students should concentrate on clinical management, efficacy of preventive measures, treatment needs particularly for children with disabilities. In oral medicine and oral diagnosis, the student should receive instruction in various lesions, occurring in the oral cavity with particular reference to oral cancer.



8	Outline syllal	bus	
	BDS-408 A	Unit A	
	DDC 400 A 1	TT '4 A	
	BDS-408 A1	Unit A	Introduction To Pedodontics And Preventive Dentistry, Growth &
		Topic 1	Development, Development Of Occlusion, Dental Anatomy And Histology
	BDS-408 A2	Unit A	Dental Materials Used In Pediatric Dentistry
	DDS 100112	Topic 2	Bolliul Hauterials Cood in Politicist Delitionry
	BDS-408 A3	Unit A	Dental Radiology Related To Pedodontics, Oral Surgical Procedures
		Topic 3	In Children.
	BDS-408 B	Unit B	
	BDS-408 B1	Unit B	Dental Caries
	DDS 100 D1	Topic 1	
	BDS-408 B2	Unit B	Gingival & Periodontal Diseases In Children
		Topic 2	
	BDS-408 B3	Unit B	Pediatric Operative Dentistry
		Topic 3	
	BDS-408 C	Unit C	
	BDS-408 C1	Unit C	Child Psychology
		Topic 1	, , ,
	BDS-408 C2	Unit C	Dental Emergencies In Children & Their
		Topic 2	Management
	BDS-404 C2	Unit C	Behaviour Management
		Topic 3	
	BDS-408 D	Unit D	
		ORAL M	IEDICINE & THERAPEUTICS
	BDS-408 D1	Unit D	Pediatric Endodontics
		Topic 1	
	BDS-408 D2	Unit D	Traumatic Injuries In Children
		Topic 2	
	BDS-408 D3	Unit D	Preventive And Interceptive Orthodontics
		Topic 3	
	BDS-408 E		
	BDS-408 E1	Unit E	Dental Care Of Children With Special Needs

DDS-400 E		
BDS-408 E1	Unit E	Dental Care Of Children With Special Needs
	Topic 1	
BDS-408 E2	Unit E	Oral Habits In Children
	Topic 2	
BDS-408 E3	Unit E	Congenital Abnormalities In Children
	Topic 3	



		Attendance		Minimum 75% is Needed for both theory and clinical practical	
	Course evaluation	Quizzes		Taken in every 3 months	
1.		Presentations		Video Presentation	
		Any Other		Project based learning, Assignments	
		Annual		Theory-100 marks	
		Examination		Practical-100 marks	
	Text book/s*	SR.	Author		Title
		1	Pinkham, JR		Pediatric Dentistry infancy through adolescence
		2	Mc Donald, RE		Dentistry for the child and adolescent
2.		3	Ghai, OP		Ghai essential paediatrics
4.		4	Goran Koch		Pedodontics Clinical Approach
		5	Welbury		Pediatric Dentistry
		6	Cameron, Angus		Handbook of pediatric dentistry
		7	Stephen Wei		Pediatric Dentistry Total Patient Care
3.	Other References	TED learning			
	Other Kelerences	Various scientific articles from various sources			