



Late Shri Yashwantrao Chavan Memorial Medical & Rural Development Foundation's,

DENTAL COLLEGE & HOSPITAL



Yash Group

(An ISO 9001 : 2015 Certified)

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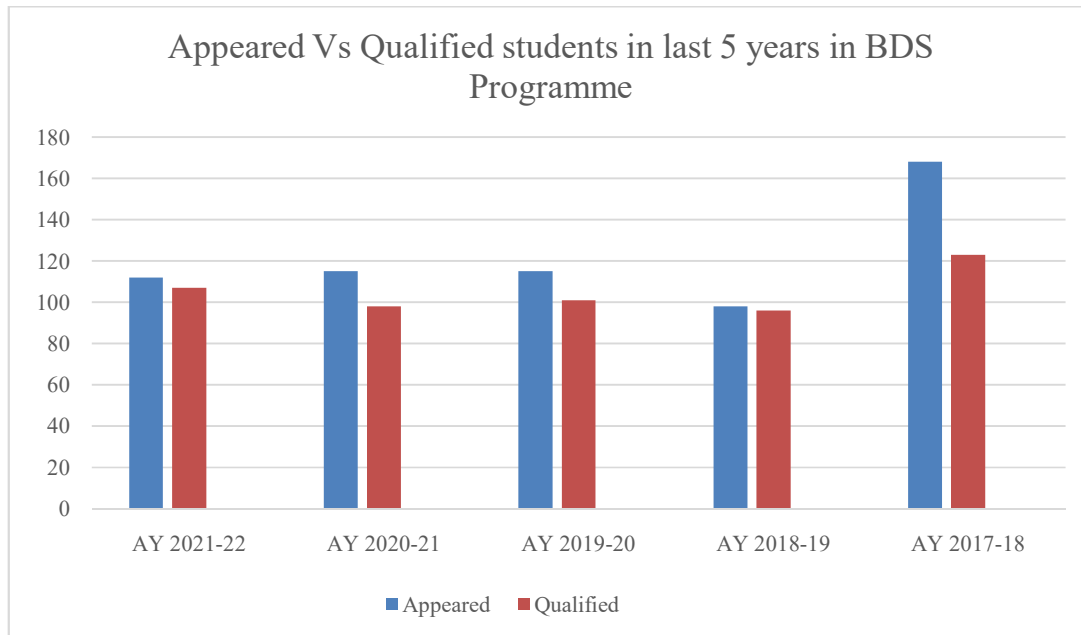
Program-wise number of students appeared and qualified in final year examinations in last 5 years

Academic Year	Examination Session	Programme Name	Number of students appeared	Number of students qualified
2021-22	Summer Session Winter Session	BDS	112	107
2021-22	Summer Session Winter Session	MDS	16	16
2020-21	Summer Session Winter Session	BDS	115	98
2020-21	Summer Session Winter Session	MDS	16	16
2019-20	Summer Session Winter Session	BDS	115	101
2019-20	Summer Session Winter Session	MDS	16	16
2018-19	Summer Session Winter Session	BDS	98	96
2018-19	Summer Session Winter Session	MDS	12	12
2017-18	Summer Session Winter Session	BDS	168	123
2017-18	Summer Session Winter Session	MDS	12	12

**Programme-wise list of students appeared and qualified in Final
BDS examination in last 5 years**

Academic Year	Programme Name	Number of Students Appeared	Number of Students Qualified
2021-22	BDS	112	107
2020-21	BDS	115	098
2019-20	BDS	115	101
2018-19	BDS	098	096
2017-18	BDS	168	123

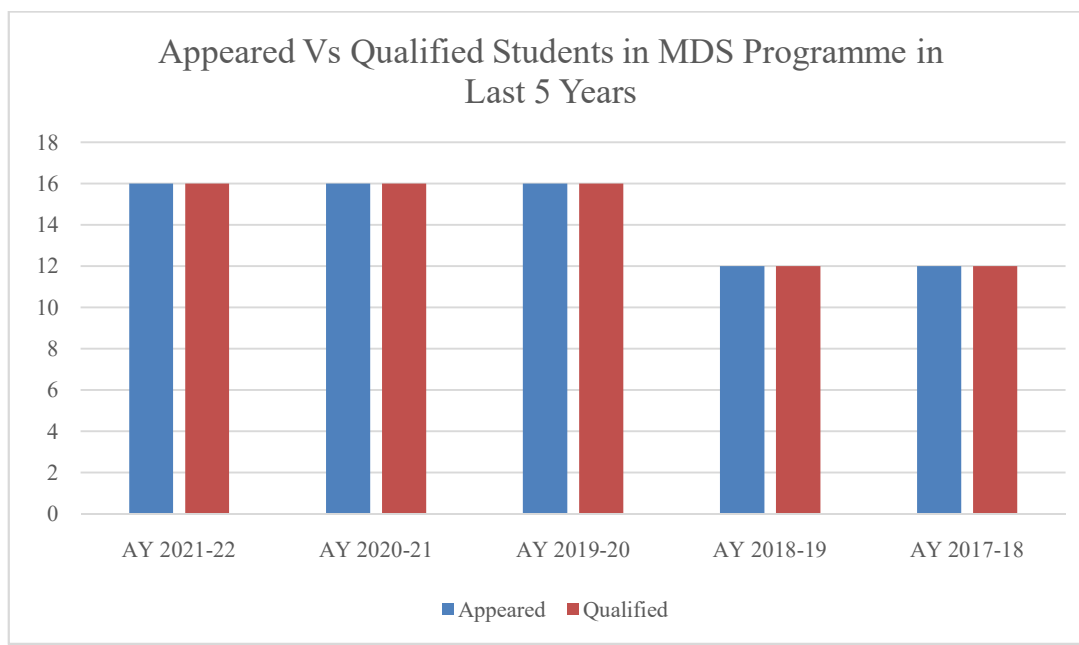
**Graphical Presentation of list of students appeared and qualified
in Final BDS examination in last 5 years**



**Programme-wise list of students appeared and qualified in Final
MDS examination in last 5 years**

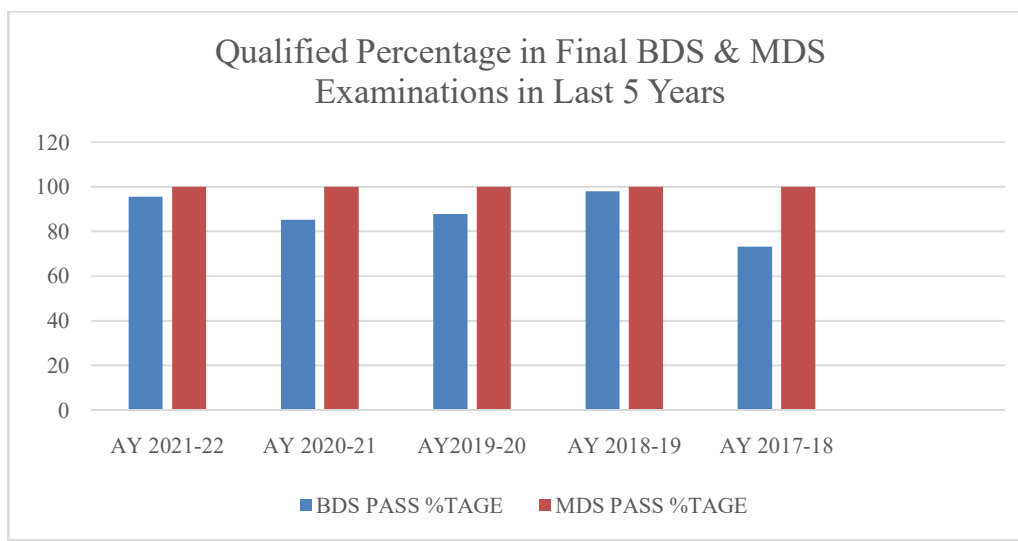
Academic Year	Programme Name	Number of Students Appeared	Number of Students Qualified
2021-22	MDS	16	16
2020-21	MDS	16	16
2019-20	MDS	16	16
2018-19	MDS	12	12
2017-18	MDS	12	12

**Graphical Presentation of list of students appeared and qualified
in Final BDS examination in last 5 years**



Pass Percentage of Last 5 Years

Academic Year	Examination Session	Programme name	Number of students appeared	Number of students qualified	Pass Percentage
Final BDS& MDS Program Pass Percentage					
2021-22	Summer Session Winter Session	BDS	112	107	95.53%
2021-22	Summer Session Winter Session	MDS	16	16	100%
2020-21	Summer Session Winter Session	BDS	115	98	85.21%
2020-21	Summer Session Winter Session	MDS	16	16	100%
2019-20	Summer Session Winter Session	BDS	115	101	87.82%
2019-20	Summer Session Winter Session	MDS	16	16	100%
2018-19	Summer Session Winter Session	BDS	98	96	97.95%
2018-19	Summer Session Winter Session	MDS	12	12	100%
2017-18	Summer Session Winter Session	BDS	168	123	73.21%
2017-18	Summer Session Winter Session	MDS	12	12	100%



Programme outcomes of Bachelor of Dental Surgery (BDS)

Programme Outcome	The graduate should be able to
PO-1	Describe and differentiate between normal and abnormal human structure, development, function, and behaviour that is relevant to the practice of Dentistry.
PO-2	Apply basic knowledge of biomedical, technical, and clinical sciences for the effective practice of Dentistry.
PO-3	Obtain detailed Dental and relevant medical history, perform an oral and general physical examination and choose relevant laboratory diagnostic tests for identification of oral disorders, prevention of oral disease and promotion of oral health.
PO-4	Demonstrate the ability to interpret available clinical and laboratory data and effective clinical problem solving, to generate differential diagnoses and to manage oral health disorders.
PO-5	Perform and interpret a basic oral radiological examination safely and determine the differential diagnosis.
PO-6	Plan and administer, provide appropriate treatments, including surgical procedures, for common oral disorders in adults as well as children, as per the ethical norms so to largely benefit the patient.
PO-7	Identify and manage common medical emergencies encountered in general dental practice, as per the norms.
PO-8	Identify and refer patients, who may require advanced or specialist care, to higher centres.
PO-9	Demonstrate knowledge of global and national needs, policies and regulatory frameworks relevant to oral health.
PO-10	Function effectively as an oral health care team member in health care settings.
PO-11	Communicate effectively and sensitively with patients, care-givers, colleagues and the public in a manner that will improve health care outcomes and patient / client satisfaction.
PO-12	Demonstrate the ability to continue refining existing knowledge / skills and acquire new knowledge/skills.
PO-13	Select and pursue an appropriate career pathway that is professionally rewarding and personally fulfilling.
PO-14	Recognize and manage medico-legal, ethical, and professional issues in dental practice.
PO-15	Demonstrate and practice integrity, responsibility, respect and Selflessness.

PROGRAM OUTCOMES OF BACHELOR OF DENTAL SURGERY (BDS)

Program Outcome	The graduate should be able to
	<ul style="list-style-type: none"> Describe and differentiate between normal and abnormal human structure, development, function, and its relevance to the practice of Dentistry.
	<ul style="list-style-type: none"> Apply basic knowledge of biomedical, technical and clinical sciences for the effective practice of Dentistry.
	<ul style="list-style-type: none"> Procure detailed Dental and relevant Medical history, perform an oral and general physical examination and choose required laboratory diagnostic tests for identification of oral disorders, prevention of oral disease and promotion of oral health.
	<ul style="list-style-type: none"> To interpret clinical and laboratory data to facilitate differential diagnoses and to manage oral health disorders.
	<ul style="list-style-type: none"> Perform and interpret a basic oral radiological examination safely.
	<ul style="list-style-type: none"> Plan and administer, ethically correct treatments, including surgical procedures, for common oral disorders in adults as well as children.
	<ul style="list-style-type: none"> Prevent the precipitation of medical emergencies, identify them if precipitated and manage them if encountered in general dental practice.
	<ul style="list-style-type: none"> Perform triage, Identify, and refer patients with complex disorders to the concerned specialist.
	<ul style="list-style-type: none"> Communicate effectively and sensitively with patients, care-givers, colleagues and the public in a manner that will improve health care outcomes and patient / client satisfaction.
	<ul style="list-style-type: none"> Function effectively as an oral health care team member in health care settings.
	<ul style="list-style-type: none"> Demonstrate knowledge of global and national needs, policies and regulatory frameworks relevant to oral health.
	<ul style="list-style-type: none"> Demonstrate the ability for continuous upgradation of knowledge / skills and acquire new knowledge/skills.
	<ul style="list-style-type: none"> Recognize and manage medico-legal, ethical and professional issues in dental practice.
	<ul style="list-style-type: none"> Demonstrate ability to perform various dental procedures with integrity, responsibility, and Selflessness.
	<ul style="list-style-type: none"> Select and pursue an appropriate career pathway that is professionally rewarding and personally fulfilling.

**PROGRAM SPECIFIC OUTCOMES OF BACHELOR OF
DENTAL SURGERY [BDS]**

Program Specific outcomes	The graduate should be able to
	<ul style="list-style-type: none">• To provide the best treatment option by correlating with available medical and dental history, and consideration with the social aspect of the patient.
	<ul style="list-style-type: none">• To recognize and apply cross infection control guidelines in dental practice with sound knowledge about sterilization.
	<ul style="list-style-type: none">• Perform painless dental procedures with detailed know how about local anaesthetics, their selection, utilization and to identify possible adverse reactions and their management.
	<ul style="list-style-type: none">• Acquire adequate knowledge, understanding and skill to perform exodontias (extraction of teeth), alveoloplasty and suturing and other minor oral surgical procedures.

Course	Subject	Course Outcome	Teaching Methodology	Assessment Method	Vertical Integration	Horizontal Integration
I BDS	General Anatomy	<ol style="list-style-type: none"> Knowledge and Understanding: <ul style="list-style-type: none"> Adequate knowledge about the normal disposition of the various organs and structures in the body during clinical examination or while performing a specific clinical procedure. Adequate knowledge about anatomical basis of injury or diseases affecting the various structures. Know the principles and genesis of the organs and systems related to head and neck. Know the location, arrangement of vital structures like nerves and blood vessels, anatomical boundaries of structures, which will aid them during various surgical and non-surgical procedures to be performed in head and neck region. Knowledge about anomalies in development, critical stages of development, effects of various genetic and epigenetic factors. Knowledge about the microscopic anatomy of various tissues, which will aid in understanding the disease process. Adequate knowledge about sectional anatomy of head and neck structures, which will aid in interpreting the radiographs and other imaging techniques. Skills: <ul style="list-style-type: none"> To locate and identify various structures of the body and to mark the topography of the organs and tissues. To identify various tissues or organs under microscope. To differentiate between normal and abnormal and diagnose congenital malformations. To be able to identify the normal structures on imaging films and point out abnormalities. 	Large Group Teaching	Formative + Summative assessment	All Clinical Branches	Dental Anatomy & Dental Histology, General Physiology and General Biochemistry

		3. Attitude: <ul style="list-style-type: none"> • Application of anatomical knowledge while performing various dental procedures for the betterment of the patient. • Seek to improve awareness about common abnormalities and help prevent them or treat them. 				
CO3.2	Physiology	1. Knowledge: <ul style="list-style-type: none"> • Explains normal functioning of all the physiologic processes at cellular, tissue and organ levels, so that the learners get to know the physiologic basis of health and disease. • Provides the working details of all organs and their interactions with each other, which in turn allows the body to function as one. • Provides understanding of physiologic principles which underline the pathogenesis of various disorders. 2. Skills: <ul style="list-style-type: none"> • Demonstrate experiments to study the various physiological phenomena. • Allow interpretation of experimental and investigative data. • Allow differentiation between normal and diseased status, based upon results of various physiological tests performed and observed in laboratory. 3. Attitude: <ul style="list-style-type: none"> • To instil the attitude to serve the community with sound physiological knowledge of various life processes. 	Large Group Teaching	Formative + Summative assessment	All Clinical Branches	Dental Anatomy & Dental Histology, General Anatomy and General Biochemistry
CO3.3	Biochemistry	1. Knowledge: <ul style="list-style-type: none"> • Provide knowledge about various biochemical aspects of life processes. • Detailed knowledge about molecular and functional organization of various cellular and subcellular 	Large Group Teaching	Formative + Summative assessment	All Clinical Branches	Dental Anatomy & Dental Histology, General

		<p>components.</p> <ul style="list-style-type: none"> • Details of Structure, functions, and interrelationship of various biomolecules in healthy state. • Explain the various aspects of metabolism and their regulating pathways. • Working know how about maintenance of body fluids, pH and homeostasis. • Details about digestive mechanism, absorption of nutrients and various disorders associated with it. • Details about molecular mechanisms of gene expression and regulation and its relation to various disorders and its application in regenerative dentistry. • Biochemical details of defence mechanisms of body and their role in health and disease states. • Provide details about biochemical basis of environmental health hazards. • Provide biochemical basis of carcinogenesis and other related disorders. • Knowledge about fundamental aspects of enzymes and their application in various body processes. • Provide principles of various biochemical tests and analysis, to help differentiate between healthy and diseased states. <p>2. Skills:</p> <ul style="list-style-type: none"> • To perform various biochemical tests, which will aid in clinical screening and differential diagnosis of various disorders. • Analyse and interpret the results of various biochemical tests. • Demonstrate skills of differential diagnosis, which will aid in arriving at diagnosis and decision making in various dental procedures. <p>3. Attitude:</p>				Physiology and General Anatomy
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		<ul style="list-style-type: none"> Detailed understanding of biochemical basis of processes in healthy and diseased states and their effects on various dental procedures. 				
CO3.4	Dental Anatomy, Embryology and Oral Histology	<ol style="list-style-type: none"> Knowledge: <ul style="list-style-type: none"> To understand how cells, tissues and organs develop and function in order to understand the overall functioning of oral cavity and its associated structures. To understand about embryogenesis of oral cavity and its associated structures with applied aspects. To understand, comprehend, describe, compare and illustrate the histologic features of oral tissues in health and diseased states. To develop and learn a professional vocabulary of terminology related to head and neck, oral cavity and teeth so as to apply in clinical scenario. To identify, locate and relate the gross anatomical structures of head and neck and to apprehend their interrelationship with each other. To identify anatomical and histological features of the extra-oral and intra-oral structures. To compare the human dentition in relationship to location, function, and morphology. To identify, comprehend, describe the sequence and eruption patterns of primary and permanent teeth. To understand the oral physiology, unique biochemical basis behind oral musculature, glands, and movements. To incorporate clinical knowledge of tooth morphology, dental occlusion, head and neck anatomy, histology, and embryology. To summarize the concept of occlusion, range of human jaw movements in preclinical and clinical Situations. To gain knowledge about the microscopic configuration of normal histological structure of both soft and hard 	Large Group Teaching	Formative + Summative assessment	All Clinical Branches + Oral Pathology& Microbiology	General Anatomy, General Physiology and General Biochemistry

		<p>tissues.</p> <p>2. Skills:</p> <ul style="list-style-type: none"> • Ability to identify different oral tissues in clinical situations. • Ability to differentiate between normal and abnormal states. • Ability to understand the pathogenesis of diseases and effects of ageing on normal tissues. • Learn about the eruption and shedding pattern of human teeth. • Able to carve and reproduce the morphology of human teeth in wax blocks. • Able to appreciate the concept of occlusion, range of human jaw movements in preclinical and clinical situations. • Able to effectively use the terminologies and anatomical terms for clinical and patient communications. <p>3. Attribute:</p> <ul style="list-style-type: none"> • To be able to appreciate the normal structures, their development and functioning in relation to abnormal states, to be able to deliver needed treatment precisely. 				
II BDS	General Pathology	<p>1. Knowledge & Understanding:</p> <ul style="list-style-type: none"> • To Learn and observe the pathological changes at macroscopic and microscopic levels and correlate it with knowledge of normal structures. • To learn about cellular injuries, their reactions, and its correlation to clinical situations. • To learn about defence mechanisms of body and to apprehend their possible failures. • To learn about underlying pathologic features seen in diseases and learn to identify and observe them while diagnosing the lesions. • To integrate knowledge from the basic sciences, clinical 	Large Group Teaching	Formative + Summative assessment	All Clinical Branches + Oral Pathology & Microbiology	General Pharmacology, General Microbiology, Dental Materials.

		<p>medicine and its importance in dentistry.</p> <p>2. Skills:</p> <ul style="list-style-type: none"> • The learner should be able to differentiate between normal and abnormal states. • Identify the situations where body's own tissues are working against it. • Ability to conduct certain experiments and ability to interpret lab findings. <p>3. Attitude:</p> <ul style="list-style-type: none"> • Learner should be able to differentiate between normal and abnormal and use that knowledge in treating clinical situations. • Able to advice essential laboratory investigations and use them judiciously when needed/ • Willing to update knowledge in pathological conditions and diagnostic investigations from time to time. 				
CO3.6	Microbiology	<p>1. Knowledge & Understanding:</p> <ul style="list-style-type: none"> • Learn about the different types of micro-organisms, their etiological roles in various infectious diseases affecting the Oral cavity and its associated structures. • Learn about systemic infections and their effects on Health and diseased states of oral cavity. • Learn about various ways to culture micro-organisms and prove their involvement in diseased processes. • Understand and practice various methods of sterilization and asepsis and their importance in dental practice. • Learn about healthcare associated infections, ways to detect and prevent them. • Working knowledge about cultures and ability to determine the best choice and doses of anti-microbials for the given condition. <p>2. Skills:</p> <ul style="list-style-type: none"> • Student should be able to elucidate the role of microbes in 	Large Group Teaching	Formative + Summative assessment	All Clinical Branches + Oral Pathology & Microbiology	General Pharmacology, General Pathology, Dental Materials.

		<p>causing various disorders.</p> <ul style="list-style-type: none"> • Students should be able to carry out basic methods or experiments to determine the causative organism and treat accordingly. • Ability to select, collect and transport clinical specimens to laboratory. • Ability to carry out all essential sterilization procedures as well as to maintain aseptic conditions in dental clinic. • Proper interpretation of cultures to determine antibiotic sensitivity of the causative microbes, and to take decisions for best antimicrobial to be prescribed. <p>3. Attitude:</p> <ul style="list-style-type: none"> • To apply the knowledge gained in best possible interest of the individual patient and community at large. • To maintain proper aseptic conditions, to aid in providing ethical treatment to the needy. 				
CO3.7	General Pharmacology & Therapeutics	<p>1. Knowledge & Understanding:</p> <ul style="list-style-type: none"> • Learn about the pharmacokinetics and pharmacodynamics of essential and commonly used drugs in general and dentistry in particular. • Learn about indications, contraindications, interactions and adverse reactions of commonly used drugs and their application in dentistry. • Learn about Meticulous utilization of drugs in disease with consideration to its cost, efficacy and safety for individual and mass therapy needs. • Learn about prescription of drugs in complex situations like pregnancy, lactation, old age, renal, hepatic disorders, or in immunocompromised patients. • Learn about use of emergency drugs and different ways of administration in normal and emergency situations. <p>2. Skills:</p> <ul style="list-style-type: none"> • Prescribe drugs for common medical and dental ailments. 	Large Group Teaching	Formative + Summative assessment	All Clinical Branches + Oral Pathology & Microbiology	General Pathology, General Microbiology, Dental Materials.

		<ul style="list-style-type: none"> • Appreciate and diagnose drug interactions and adverse drug reactions. • Critically evaluate drug formulations and ability to interpret clinical pharmacology of marketed preparations, commonly used in dentistry. <p>3. Attitude:</p> <ul style="list-style-type: none"> • To develop attitude and ethical use of drugs in various dental procedures. 				
CO3.8	Dental Materials	<p>1. Knowledge & Understanding:</p> <ul style="list-style-type: none"> • Adequate knowledge about various dental materials used in dentistry. • Learn about indications, contraindications, and methods of application of various materials used in dentistry. • Learn about the effects and biocompatibility of various dental materials used in dentistry. • To have a working knowledge about various dental laboratorial procedures, their indications and utilization in various branches of dentistry. • To understand the evolution, development and advances of dental materials and their manipulation techniques needed to use them in dental career. <p>2. Skills:</p> <ul style="list-style-type: none"> • Ability to identify and select the best material for a particular situation. • To be able to manipulate and use the selected material. • To be able to diagnose and alleviate any possible adverse effects including allergies to selected material. <p>3. Attitude:</p> <ul style="list-style-type: none"> • Willingness to apply current knowledge in the best interest of patient and community at large. • Willingness to continuous upgrading of knowledge and its application in the clinical situations. 	Large Group Teaching + Simulation Training	Formative + Summative assessment	All Clinical Branches	General Pharmacology, General Microbiology, General Pathology.
CO3.9	Pre-clinical	<p>1. Knowledge & Understanding:</p>	Large Group	Formative	Conservative	Dental

	Conservative Dentistry	<ul style="list-style-type: none"> • Acquire knowledge about the basic principles of conservative dentistry. • Understand the clinical situations and decide the best possible treatment protocol. • Meticulous use of various instruments and materials for ethical and conservative treatment of the affected tooth. • Use of various models and extracted teeth to learn the intricacies of various dental procedures. <p>2. Skills:</p> <ul style="list-style-type: none"> • Ability to demonstrate the following skills • Cavity preparations • Manipulation and filling of restorative materials in the models <p>3. Attitude:</p> <ul style="list-style-type: none"> • To be able to apply the current knowledge of various materials and restorative procedures in the interest of the patient and community in general. • Willingness for continuous upgradation of knowledge regarding newer and advanced dental materials and restorative procedures. • Awareness regarding both benefits and health hazards of various procedures and materials used in conservative dentistry. 	Teaching + Simulation Training	+ Summative assessment	Dentistry	Materials
CO3.10	Pre-clinical Prosthodontic & Crown & Bridge	<p>1. Knowledge & Understanding:</p> <ul style="list-style-type: none"> • Adequate knowledge of scientific foundations on which dentistry is based and good understanding of various relevant scientific methods, principles of biologic functions, and ability to evaluate and analyse scientifically various established facts and deals. • Adequate knowledge of the development, structure and function of the teeth, mouth, jaws and associated tissues both in health and disease and their relationship and effect on general state of health and also bearing on physical 	Large Group Teaching + Simulation Training	Formative + Summative assessment	Prosthodontics& Crown & Bridge	Dental Materials

		<p>and social well-being of the patient.</p> <ul style="list-style-type: none"> • Adequate knowledge about various prosthodontic procedures to be fabricated on model casts or tooth specimens. <p>2. Skills:</p> <ul style="list-style-type: none"> • Ability to demonstrate basic prosthodontic procedures like impression making, fabrication of dentures, teeth setting. • Able to manipulate and modify the manipulation of various dental materials. <p>3. Attitude:</p> <ul style="list-style-type: none"> • Willingness to apply the current knowledge of dentistry in the best interest of the patient and community. • Willingness to participate in CDE programs and upgradation of the knowledge. • Help and participate in the implementation of National Oral Health Policy. 				
III BDS	General Medicine	<p>1. Knowledge and Understanding:</p> <ul style="list-style-type: none"> • Describe the etiology, pathogenesis, clinical signs and symptoms and complications of various disease process. • Adequate knowledge of various pre-requisite settings for the various systemic diseases. • Working knowledge about co-morbidities and lifestyle diseases like diabetes mellitus, hypertension. • Adequate knowledge about oral manifestations of various systemic diseases. • Knowledge of medical conditions requiring screening and evaluation prior to the planned dental procedures. • Learn to detect precipitation of medical emergencies and about various BLS methods to deal with them, during dental procedures. <p>2. Skills:</p> <ul style="list-style-type: none"> • Ability to take detailed medical case history, before 	Large Group Teaching	Formative + Summative assessment	All Clinical Branches	General Surgery, Oral Pathology & Microbiology.

		<p>performing any dental procedures.</p> <ul style="list-style-type: none"> • Ability to perform a general health check-up of the patient. • Ability to obtain and interpret the vitals, like blood pressure, heart rate, pulse rate, oxygen saturation. • Ability to interpret the lab reports like CBC, ECG, INR, etc. • Ability to perform basic procedures like setting up a IV line and IM or IV injections. <p>3. Attitude</p> <ul style="list-style-type: none"> • Willingness to apply this knowledge while performing various dental procedures for the betterment of patients and community at large. • Willingness to take part in various health survey policies and to provide basic treatments, especially during emergency situation like in COVID19. • Willingness to upgrade the knowledge. 				
CO3.12	General Surgery	<p>1. Knowledge and Understanding:</p> <ul style="list-style-type: none"> • Knowhow about the surgical anatomy, physiology, and pathological basis of diseases, especially in head and neck region. • Learn about basic surgical principles. • Detailed understanding about the surgical anatomy of oral cavity and associated structures. • Learn about history taking, clinical examination, interpret various diagnostic tests. <p>2. Skills:</p> <ul style="list-style-type: none"> • Locate and identify vital structures before planning of surgical procedures. • Perform preoperative surgical procedures. • Perform various basic surgical procedures related to dentistry. <p>3. Attitude:</p>	Large Group Teaching	Formative + Summative assessment	All Clinical Branches	General Medicine, Oral Pathology & Microbiology.

		<ul style="list-style-type: none"> • Willingness to apply the knowledge earned for betterment of the patient and the community. • Willingness for continuous upgradation of knowledge. • Willingness to participate in national health policies or emergency situations. 				
	Oral Pathology & Microbiology	<ol style="list-style-type: none"> 1. Knowledge & Understanding: <ul style="list-style-type: none"> • Adequate knowledge about various pathological diseases affecting the oral cavity and associated structures. • To learn about the microscopic details of various pathological diseases. • Comprehend the manifestations of common diseases, their diagnosis & correlation with clinic-pathologic processes. • To learn about various developmental anomalies and their applied aspects on general health of the patient. • To learn about premalignant and malignant diseases their etiology and diagnostic aspects. • Learn to understand the underlying biological principles governing the treatment of oral diseases. • Understand the pathogenesis of various diseases through pathological perspective, to able to understand the lesions better hence prevent or treat them accordingly. • Learn the principles of forensic odontology and its role in dentistry and forensic investigations. 2. Skills: <ul style="list-style-type: none"> • Diagnose various pathological diseases affecting oral cavity and its associated structures. • Ability to perform certain investigative procedures and their interpretation for diagnosis of pathological diseases. • Ability to utilize histopathological and cytological reports for diagnostic purposes. 3. Attitude: <ul style="list-style-type: none"> • Willingness to apply the knowledge at patient and 	Large Group Teaching	Formative + Summative assessment	All Clinical Branches	General Surgery, General Surgery.

		<p>community level, for diagnosing oral diseases.</p> <ul style="list-style-type: none"> • Seek to improve awareness for prevention and diagnosis of oral diseases. • Help in patient and community awareness regarding the oral abuse habits and their role in oral cancer. 				
IV BDS	Oral Medicine & Oral Radiology	<ol style="list-style-type: none"> 1. Knowledge & Understanding: <ul style="list-style-type: none"> • To learn and diagnose common disorders of oro-facial region using clinical and radiological investigations and treat them using various drugs and therapies. • To learn differential diagnosis of oral diseases, for helping in diagnostic purposes. • To learn about oral manifestations of systemic diseases from clinical point of view. • To learn about the importance, role, use of radiological and other diagnostic aids. 2. Skills: <ul style="list-style-type: none"> • Ability to diagnose and manage common oral diseases encountered routinely in dental practice. • Ability to take a detailed case history and provide various differential diagnosis for the diagnosis of the disease. • Ability to prevent and treat the diseases affecting oral cavity and associated structures. • Acquire skill to prevent and manage complications if encountered while performing various dental procedures. • Promote Oral Health and help in prevention of oral diseases. 3. Attitude: <ul style="list-style-type: none"> • Willingness to apply current knowledge of dentistry in the best interest of patient and society at large. • Promote awareness about oral diseases and help in prevention of them. • Willingness to participate in implementation of national health programmes. 	Large Group Teaching + Patient Training	Formative + Summative assessment	All Clinical Branches	All Clinical Branches

		<ul style="list-style-type: none"> Willingness for continuous upgradation of the knowledge and its utilization for betterment of patient and community at large. 				
	Pedodontics and Preventive Dentistry	<ol style="list-style-type: none"> Knowledge & Understanding: <ul style="list-style-type: none"> Students should know about 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 the bearing on physical and social well-being of the patient. Learn about the principles of prevention and preventive dentistry right from birth to adolescence. Learn about obtaining clinical history, methodological examination of the child patient, perform essential diagnostic procedures and interpret them and arrive at a reasonable diagnosis and treat appropriately. Skills: <ul style="list-style-type: none"> Students should have adequate experience needed to diagnose, prevent, and treat various oral diseases affecting the paediatric patient. Students should be able to manage the behaviour of the paediatric patients, so that the needed treatments can be performed optimally. Students should be able to diagnose, observe, and manage life-threatening condition and should be able to prevent and treat them accordingly. Attitude: <ul style="list-style-type: none"> Learner should adopt ethical principles in all aspects of pedodontics practice. Willingness to upgrade the knowledge and utilize it for betterment of profession and community at large. 	Large Group Teaching + Patient Training	Formative + Summative assessment	All Clinical Branches	All Clinical Branches
	Orthodontics	<ol style="list-style-type: none"> Knowledge & Understanding: 				

	& Dentofacial Orthopaedics	<ul style="list-style-type: none"> • Learn about normal growth and development of facial skeleton and dentition. • Learn about various diseases or conditions affecting normal growth process, especially various malocclusion categories. • Learn about various ways of tooth movement mechanics and their optimal utilization in the treatment planning. <p>2. Skills:</p> <ul style="list-style-type: none"> • Learner should identify the aberration in normal growth process and should prevent them by various modalities. • Should be able to motivate and encourage the patients regarding necessity of the treatment. • Should be able to plan and perform various preventive measures for proper development of the face and related structures. • Should be able to plan and execute interceptive orthodontics. • Should be able to manage and treat cases of simple malocclusions. • Should be able to diagnose the complex malocclusion cases and refer them to the specialist. <p>3. Attitude:</p> <ul style="list-style-type: none"> • Willingness to have high regards for professional ethics and should deliver best possible solutions to the patients. • Willingness to make the patients and society aware about various preventable problems associated with orthodontics. • Willingness for continual updating of the knowledge and its proper utilization. 				
	Oral & Maxillo- facial Surgery	<p>1. Knowledge & Understanding:</p> <ul style="list-style-type: none"> • To learn about various principles of sterilization and surgical procedures. • To learn about the anatomical details of structures of oral 				

		<p>cavity.</p> <ul style="list-style-type: none"> To learn about various indications, contraindications, principles, techniques of various minor surgical procedures. To learn about indications, contraindications, advantages, disadvantages of various local anaesthetic formulations and their optimal utilization in surgical procedures. <p>2. Skills:</p> <ul style="list-style-type: none"> Should be able to perform minor surgical procedures, like extractions, alveoloplasty, Apicectomy, etc. Should be able to diagnose, interpret and manage the development of various in procedure medical emergencies. Should be able to maintain aseptic environment. <p>3. Attitude:</p> <ul style="list-style-type: none"> Willingness to work for providing needed oral surgical procedures to the patients. Willingness to upgrade the knowledge and use it for betterment of the society at large. 				
	Conservative Dentistry & Endodontics	<p>1. Knowledge & Understanding:</p> <ul style="list-style-type: none"> Learn about diagnosing and treating various procedures related to saving the concerned tooth / teeth. To learn about various pulpal states and their possible outcomes. To learn about conservative procedures possible for helping to save the tooth / teeth. To learn about various dental materials and their indications, contraindications, and ways to manipulate them. <p>2. Skills:</p> <ul style="list-style-type: none"> Learner should be able to differentiate between various pulpal conditions and treat them accordingly with larger 	Large Group Teaching + Patient Training	Formative + Summative assessment	All Clinical Branches	All Clinical Branches

		<p>interest of saving the tooth / teeth with utmost conservativeness possible.</p> <ul style="list-style-type: none"> • Should be able to utilize and interpret various diagnostic procedures optimally. <p>3. Attitude:</p> <ul style="list-style-type: none"> • Willingness to provide all needed conservative procedures for the betterment of the patient and community at large. • Willingness to upgrade the knowledge and work for various national policies. 				
	Prosthodontics ,Crown & Bridge	<p>1. Knowledge & Understanding:</p> <ul style="list-style-type: none"> • Learn about teeth and supporting apparatus in health and disease. • To learn about various prosthodontic procedures possible for saving the teeth and its supporting apparatus. • To learn about utilizing and ways of manipulation of various dental materials for providing the required treatment. • 	Large Group Teaching + Patient Training	Formative + Summative assessment	All Clinical Branches	All Clinical Branches
	Periodontology	<p>1. Knowledge & Understanding:</p> <ul style="list-style-type: none"> • Learn about the normal anatomy of Oral mucosa, Gingiva and supporting structures of the teeth & differentiation between the normal and diseased structures of periodontium. • To learn about various Gingival and Periodontal diseases according to aetiology. • To learn about pathogenesis of periodontal disease and role of microorganisms and their interaction with the aetiology of Periodontal Disease. • To learn and identify potential predisposing factors of periodontal disease and methods to manage them. <p>2. Skills:</p> <ul style="list-style-type: none"> • Ability to get detailed Case history records of patients 	Large Group Teaching + Patient Training	Formative + Summative assessment	All Clinical Branches	All Clinical Branches

		<p>with periodontal disease, formulate provisional diagnosis, and with needed investigations, provide best possible treatment.</p> <ul style="list-style-type: none"> • Ability to perform treatment procedures like Scaling, Root Planning. • Ability to prescribe antimicrobial and host modulation therapy and Motivate patient for plaque control. • Ability to understand the interdisciplinary approach with other specialties of dentistry and correlate diagnosis and treatment parameters in proper management of dental conditions. • Ability to identify social, economic, environmental and emotional determinants in periodontal health and disease conditions and consider them for planned treatment. <p>3. Attitude:</p> <ul style="list-style-type: none"> • Willingness to provide ethically correct treatment procedures to the patients. • To participate in increasing awareness of various periodontal diseases and their impact on day-to-day life of the concerned patient. • Willingness to upgrade the knowledge and to utilize it for the betterment of the community at large. 				
	Public Health dentistry	<p>1. Knowledge & Understanding:</p> <ul style="list-style-type: none"> • To learn about the concept of health various health indicators and history of Dental Public Health, its definition and the basic concept of dental public health. • To learn and understand various types of epidemiological studies and knows the epidemiology of various oral diseases. • To learn about the Planning of a survey and indices for all oral diseases and conditions. • To learn about the influence of nutrition and diet on 	Large Group Teaching + Patient Training	Formative + Summative assessment	All Clinical Branches	All Clinical Branches

		<p>general and oral health.</p> <ul style="list-style-type: none"> • To learn about the principles, methods of identification, evaluation, and control of health hazards. • To learn about basic principles of law in respect to health sciences and should know the recent laws regarding patient-doctor relationship and its legal implications. • To learn about definitions, types of research, designing of the written protocol, objectivity, methodology, quantification of records and analysis <p>2. Skills:</p> <ul style="list-style-type: none"> • Ability to take history, conduct clinical examination to arrive at diagnosis at individual level and conduct survey at community level to arrive at community diagnosis. • Ability to plan and perform all necessary treatment, prevention, and promotion of oral health at individual and community level. • Ability to plan and execute appropriate community oral health program. • Ability to adopt ethical principles in all aspects of community oral health activities. • Ability to develop communication skills, in particular to explain the causes and prevention of oral diseases to the patient. <p>3. Attitude:</p> <ul style="list-style-type: none"> • Willingness to aware the patients and community about various oral diseases and their possible implications. • Willingness to accumulate, analyse and share the data about oral diseases for shaping up national preventive policies. • Willingness for continual upgradation of knowledge and its proper utilization. 				
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