

## PROGRAM OUTCOMES AND PROGRAM SPECIFIC OUTCOMES-MDS

PROGRAM OUTCOMES	
PO 1	Acquire theoretical, Clinical and practical knowledge of all oral mucosal lesions, skeletal involvement
PO2	Obtain expertise in identifying pathological conditions in the facial region, diagnostic procedures pertaining to them
PO3	Knowledge and expertise in imaging techniques for diagnosis of various lesions as well as latest information of imaging modalities.

PROGRAM SPECIFIC OUTCOMES	
PSO1	Diagnostic skills in the recognition of oral diseases with radiographic diagnosis and their management.
PSO2	Research skills in handling scientific problems pertaining to oral diseases and their treatment.
PSO3	Clinical and Didactic skills in encouraging young students to attain learning objective.

Course Outcomes:

  
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Applied basic science	CO1	Acquire knowledge about the basic structures of head and neck
	CO2	Knowledge of the regional anatomy, Physiology, biochemistry, microbiology, Pharmacology, pathology, histology, embryology and osteology of head and neck with general disposition of thorax, abdominal and pelvic organs and translating this knowledge in diagnostic practice
Oral and Maxillofacial Radiology	CO1	Gain knowledge and expertise in basics of imaging and radiology
	CO2	Acquire skill in imaging modalities for various oro-facial diseases
	CO3	Expertise to interpret radiographs and images pertaining to head and neck imageology.
Oral Medicine, Therapeutics and Laboratory Investigations	CO1	Acquire knowledge in clinical and oral manifestations of various diseases affecting the head and neck region
	CO2	Expertise to diagnose various pathologies affecting the head and neck region by proper identification of clinical features as well as ordering the proper investigative procedures to strengthen the diagnosis.

  
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**DEPARTMENT OF ORAL AND MAXILLOFACIAL SURGERY**  
**PROGRAMME OUTCOME – MDS**

After completion of postgraduate degree

PO-1 The postgraduate should be able to do through clinical examination, evaluation & diagnosis, surgery & an adjunct treatment of diseases, injuries & deformity/defects (congenital/acquired) involving both the functional and aesthetics aspects of hard and soft tissues of oral (mouth) & maxillofacial (jaws, face and associated structures) region.

PO-2 The postgraduate should be able to perform medical and dental diagnostic procedure as well as perform relevant tests and interpret them to come to a reasonable diagnosis about the condition in general and oral and maxillofacial surgery in particular.

PO-3 The postgraduate should be able to undertake complete patient monitoring including preoperative as well as post-operative care of patient

PO-4 The postgraduate should be able to provide basic life support in emergency situation

PO-5 The postgraduate should be able to manage acute infection situation and have a thorough knowledge of infection control measures

PO-6 The postgraduate should be able to develop communication skill in particular to explain various options available for management and obtain a true informed consent from the patient

PO-7 The postgraduate should be able to understand the professional honesty and integrity and apply high moral and ethical standard.

**COURSE OUTCOME**

Applied Basic Science	CO1	At the end of the course Postgraduate student should be able to understand applied Anatomy, Applied physiology, applied pathology and microbiology and development and growth of face, teeth and jaws.
	CO2	Student should be able to efficiently use applied basic sciences for diagnosis treatment planning and surgical procedures
	CO3	Student should learn about pharmacological management of various clinical and surgical treatment modalities
	CO4	Student should be able to read various radiographs including CT and MRI
Minor oral surgery and trauma	CO1	Student should be well trained in assessment and treatment of simple to complicated extraction procedure and other simple to complicated minor dentoalveolar



		surgeries.
	CO2	Student should be knowledgeable about diagnosis and pre operative management of head and neck injuries(hard and soft tissue injuries)
	CO3	Student should be able to understand principles of ectopic position and unerupted teeth, procedures involving other dental specialties like endodontics surgeries, periodontal considerations of oral surgeries and pediatric dentoalveolar surgeries.
	CO4	Student should be able to diagnose & manage medical emergencies like prevention and management of alter consciousness, hypersensitivity reaction, chest discomfort and respiratory difficulty
	CO5	Student should be able to manage maxillofacial trauma in children and elderly patients.
Maxillofacial surgery	CO1	Student should be acquired with clinical skills in the management of various maxillofacial pathology like cysts, benign tumors, and salivary gland disorders
	CO2	Student should be able to manage TMJ disorder like TMJ ankylosis, MPDS, internal derangement and dislocation
	CO3	Student should be able to understand the concepts if oncology in relation to biopsy, management of pre malignant condition or lesion or oncosurgery chemotherapy and radio therapy
	CO4	Student should have detailed knowledge of application of nasal surgery, cryosurgery, piezosurgery for maxillofacial pathology.
	CO5	Student should have detailed knowledge of development of face, head and neck, diagnosis treatment planning and current concepts of cleft lip and palate deformities
	CO6	Student should be able to apply multidisciplinary approach with dental and medical colleague regarding diagnosis and management of maxillofacial trauma and other clinical surgical procedures
	CO7	Student should be able to do aesthetic facial surgery like orthognatic surgeries and surgical management of soft tissue deformity and age related problem with various surgical procedure like blepharoplasty, face lift and masseter hyperthrophy
Essay	CO1	Student should be able to diagnose meticulously plan and manage compliantly various complication in maxillofacial surgery including challenging cases
	CO2	Student should be knowledgeable about conventional recent advances in diagnosis and management along with advances skills required in maxillofacial surgery.

**DEPARTMENT OF PERIODONTOLOGY AND ORAL IMPLANTOLOGY**

**CO PO FOR M.D.S.**

**Programme Outcomes (PO):**

PO 1- The student now knows the normal anatomy of oral mucosa, gingiva and supporting structures of the teeth & differentiation between the normal and diseased structures of periodontium.

PO 2- Understand the prevalence and prevention of diseases of craniomandibular system related to Periodontics.

PO 3- Identify various periodontal diseases and can undertake preventive programme in the community.

PO 4-. The student should be able to examine the patients requiring Periodontal therapy, investigate the patient systemically, analyze the risk factors, plan a treatment, communicate it with the patient and execute it.

**Program Specific Outcome (PSO):**

PSO 1- Able to understand the applied anatomy of head, neck, face, periodontium and its development disturbances..

PSO 2-student able to identify social, economic, environmental and emotional determinant in periodontal health and diseases..

PSO 3- Competent to carry out routine Periodontal procedures.

PSO 4- Familiar with the concept of osseointegration and the value of immediate and delay implant.

**Course Outcomes (CO):**

Applied Basic sciences	CO1	Post graduate would be able to diagnose the cause of the ailment, formulate the treatment plan and communicate it with the patient to execute it.
	CO2	The candidate would gain the thorough knowledge of applied basic and systematic medical sciences.
	CO3	Examination and systematic investigation of patients requiring periodontal treatment along with



		interpretation of investigation results will be achieved by the post graduate
	CO4	Utilization of knowledge of various biochemical and microbiological tests to find out proper diagnosis of diseases.
Etiopathogenesis	CO1	Knowledge of epidemiology of gingival and periodontal diseases and role of periodontal pathogenic bacteria and viruses in etiology of disease will be attained by the candidate.
	CO2	Demonstration of the skills by the candidate in various preventive measures to patients. Develop communication skill to make awareness regarding periodontal diseases.
	CO3	Post graduate will be able to deliver the treatment to the patients irrespective of social status caste, creed or religion by adopting ethical principals in periodontics practice while fostering professional honesty integrity.
	CO4	Student can analyzed the role of systemic diseases in causing periodontal diseases and adapted in their practice in treating the patients' especially geriatric patients.
Clinical and therapeutic Periodontology and Oral Implantology	CO1	Post graduate take proper clinical history including medical history evaluation , advice essential diagnostic procedures and interpret them to come for reasonable diagnosis .
	CO2	Adapting new methods and techniques in Periodontics based on scientific research that occurs from time to time in view of patient's best interest will be learned by the candidate.
	CO3	Communication in patient's understandable language regarding the surgical and non-surgical methods will be adapted by the candidate.
	CO4	Post graduate will develop knowledge and skill in the science and practice of oral Implantology.
Essay	CO1	Gaining the knowledge, procedural and operative skills needed in master's degree in periodontics can be outlined by the post graduate.
	CO2	Ability to possess and apply the comprehensive knowledge will be attained by the candidate in diseases and treatment modalities in Periodontics.

  
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**Programme Outcomes (PO):**

PO1 : The student should be knowing the effect of biologic processes and mechanical forces on the stomatognathic system throughout orthodontic treatment.

PO2: The student should be able to obtain proper clinical history, methodical examination of the patient, perform essential diagnostic procedures, and interpret them and arrive at a reasonable diagnosis about the Dentofacial deformities.

PO3: Should be competent to fabricate and manage the most appropriate appliance- intra or extra oral, removable or fixed, mechanical or functional, and active or passive- for the treatment of any orthodontic problem- preventive, interceptive or corrective to be treated.

PO4: Develop an attitude to adopt ethical principles in all aspects of Orthodontic practice.

PO5: Should be competent to know the factors affecting the long- range stability of orthodontic correction and their management.

PO6: Develop adequate communication skills particularly with the patients giving them the various options available to manage a particular Dentofacial problem.

**Courses Outcome:**

Applied Basic Sciences	CO1	<b>Applied Anatomy :</b> Under Anatomy, they would have learnt about Prenatal and post natal growth of head, bone growth, assessment of growth and development, muscles of mastication, Development of dentition and occlusion.
	CO2	<b>Applied Physiology:</b> Under Physiology, they would have learnt about Endocrinology and its disorders, Calcium and its metabolism, Nutrition- metabolism and their disorders, Muscle physiology, craniofacial biology, bleeding disorders.
	CO3	<b>Dental Materials:</b> Under Dental Materials, they would have learnt about Gypsum products, impression materials, acrylics, composites, banding and bonding cements, wrought metal alloys, orthodontic arch wires, elastics, applied physics, specification and tests methods, survey of all contemporary and recent advances of above.
	CO4	<b>Genetics:</b> Under Genetics, they would have learnt about Cell



		structure, DNA, RNA, protein synthesis, cell division, Chromosomal abnormalities, Principles of orofacial genetics, Genetics in malocclusion, Molecular basis of genetics, Studies related to malocclusion, Recent advances in genetics related to malocclusion, Genetic counseling, Bioethics and relationship to Orthodontic management of patients.
	CO5	<b>Physical Anthropology:</b> Under Physical Anthropology, they would have learnt about Evolutionary development of dentition, Evolutionary development of jaws.
	CO6	<b>Pathology:</b> Under Pathology, they would have learnt about inflammation, and necrosis
	CO7	<b>Biostatistics:</b> Under Biostatistics, they would have learnt about Statistical principles, Sampling and Sampling technique, Experimental models, design and interpretation, Development of skills for preparing clear concise and cogent scientific abstracts and Publication.
	CO8	<b>Applied research methodology in Orthodontics:</b> Under Applied research methodology in Orthodontics, they would have learnt about Experimental design, Animal experimental protocol, Principles in the development, execution and interpretation of methodologies in Orthodontics, Critical Scientific appraisal of literature.
Diagnosis & Treatment planning	CO1	<b>Orthodontic history:</b> Under Orthodontic History they would have learnt about Historical perspective, Evolution of orthodontic appliances, Pencil sketch history of Orthodontic peers, History of Orthodontics in India.
	CO2	<b>Concepts of occlusion and esthetics:</b> Under this, the students would learn about Structure and function of all anatomic components of occlusion, Mechanics of articulation, Recording of masticatory function, Diagnosis of Occlusal dysfunction, Relationship of TMJ anatomy and pathology and related neuromuscular physiology.
	CO3	<b>Etiology and Classification of malocclusion :</b> Under this, the students would learn about, a comprehensive review of the local and systemic factors in the causation of Malocclusion and Various classifications of malocclusion.
	CO4	<b>Dentofacial Anomalies :</b> Under this, the students would learn about, anatomical, physiological and pathological characteristics of major groups of developmental defects of the orofacial structures.



	CO5	<b>Child and Adult Psychology</b> :Under this, the students would learn about Stages of child development, Theories of psychological development, Management of child in orthodontic treatment, Management of handicapped child, Motivation and Psychological problems related to malocclusion / orthodontics, Adolescent psychology, Behavioral psychology and communication.
	CO6	<b>Diagnostic procedures and treatment planning in orthodontics</b> : Under this, the students would learn about Stages of child development, Theories of psychological development, Management of child in orthodontic treatment, Management of handicapped child, Motivation and Psychological problems related to malocclusion / orthodontics, Adolescent psychology, Behavioral psychology and communication.
	CO7	<b>Cephalometrics</b> : Under this, the student would learn about, Instrumentation, Image processing, Tracing and analysis of errors and applications, Radiation hygiene, Advanced Cephalometrics techniques, Comprehensive review of literature, Video imaging principles and application.
	CO8	<b>Practice management in Orthodontics</b> : Under this, the student would learn about, Economics and dynamics of solo and group practices, Personal management, Materials management, Public relations, Professional relationship, Dental ethics and jurisprudence, Office sterilization procedures, Community based Orthodontics
Clinical Orthodontics	CO1	<b>Myofunctional Appliances</b> : The students will be capable of diagnosing and interpreting the knowledge obtained to treat developing malocclusion at a younger age.
	CO2	<b>Dentofacial Orthopaedics</b> : The students will develop acumen to identify and deliver treatment regimes using orthopaedic appliances to the appropriate cases.
	CO3	<b>Cleft Lip &amp; Palate Rehabilitation</b> :The students will be trained to treat the CLCP cases with empathy starting with Naso alveolar moulding at the infant stage and then systematically treat the

		malocclusion using removable / fixed orthodontics during the mixed & permanent dentition by harmonizing the treatment plan with the other members of the multidisciplinary cleft team.
	CO4	<b>Biology of tooth movement:</b> Basic understanding of the applied anatomy & physiology regarding to tooth & its surrounding structures will be inculcated into the student, so that the results of application of orthodontic forces can be understood and clinically used.
	CO5	<b>Orthodontics/ Orthognathic Surgery :</b> Students will be thoroughly trained in conjoint diagnosis & treatment planning of cases requiring surgical intervention.
	CO6	<b>Ortho/ Perio/ Prosthodontics inter relationship :</b> Students will be trained in treating complicated cases requiring a multidisciplinary approach in patient management.
	CO7	<b>Basic Principles of mechanotherapy:</b> Students will be trained in designing , construction , fabrication & management of cases using both removable & fixed orthodontics .
	CO8	<b>Applied preventive aspects in Orthodontics:</b> A comprehensive view of diagnosing & preventing caries, periodontal diseases to maintain proper inter arch relationship.
	CO9	<b>Interceptive orthodontics:</b> Students will be trained in growth guidance, diagnosing & treatment planning of early malocclusion both at mixed/ permanent dentition.
	CO10	<b>Retention &amp; relapse:</b> Inculcating the acumen to analyze post treatment stability to prevent any relapse



Recent advances	CO1	The Students would be trained in above mentioned topics in detail, so that the student would know the recent updates along with the previous literature available.
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	PO1	PO2	PO3	PO4	PO5	PO6
CO1	✓	✓	✓		✓	✓
CO2		✓				
CO3	✓		✓		✓	✓
CO4	✓	✓	✓	✓	✓	✓
CO5	✓	✓			✓	
CO6			✓	✓	✓	
CO7	✓	✓	✓	✓		
CO8	✓	✓		✓	✓	✓

	PO1	PO2	PO3	PO4	PO5	PO6
CO1	✓	✓	✓	✓	✓	
CO2		✓	✓		✓	✓
CO3	✓	✓	✓	✓	✓	✓
CO4	✓	✓				✓
CO5	✓		✓	✓	✓	✓
CO6	✓	✓			✓	✓
CO7		✓	✓	✓	✓	
CO8	✓	✓	✓	✓		✓

**Course Part I – Applied Basic Sciences**

**Course Part II – Basic Orthodontics**

**Course Part III – Clinical Orthodontics**



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Course Part IV – Essays

	PO1	PO2	PO3	PO4	PO5	PO6
CO1	✓	✓	✓	✓	✓	✓

	PO1	PO2	PO3	PO4	PO5	PO6
CO1	✓		✓	✓	✓	✓
CO2	✓	✓				✓
CO3	✓		✓	✓	✓	✓
CO4	✓	✓	✓	✓	✓	✓
CO5	✓	✓				✓
CO6		✓	✓		✓	✓
CO7	✓			✓		✓
CO8	✓	✓	✓		✓	✓
CO9	✓			✓		✓
CO10		✓	✓		✓	✓

  
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## Department of conservative dentistry and endodontics

### MDS curriculum

#### Programme Outcomes (PO):

PO 1- The candidate should be able to examine the patients requiring conservative and Endodontics therapy, investigate the patient systemically, analyse the investigation results, plan a treatment, communicate with the patient and execute it.

PO 2- Understand the prevalence and prevention of diseases of cranio-mandibular system related to Conservative dentistry and Endodontics.

PO 3- Identify target diseases and awareness amongst the population for Conservative and Endodontic therapy.

PO 4- Perform clinical and Laboratory procedure with understanding of biomaterials, related to esthetics and have competent dexterity and skill for performing clinical and laboratory procedures in esthetics, conservative and endodontics.

PO 5- Laboratory technique management based on skills and knowledge of Dental Materials and Dental equipment and instrument management.

#### Program Specific Outcome (PSO):

PSO 1- Able to understand and use various dental materials.


PSO2-Competent to carry out treatment of conservative, esthetic, smile design and Endodontics.

PSO 3- Able to carry out treatment of routine conservative and endodontic procedure.

PSO 4- Familiar with the concept of conservative treatment and the value of endodontic procedure.

#### Course Outcomes (CO):

Applied anatomy, physiology, pathology and dental materials	CO1	Post graduate would be able to diagnose the cause of the ailment, formulate the treatment plan and communicate it with the patient to execute it.
	CO2	The candidate would gain the thorough knowledge of applied basic and systematic medical sciences.
	CO3	Examination and systematic investigation of patients requiring endodontic treatment along with

  
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		interpretation of investigation results will be achieved by the post graduate
	CO4	Utilization of various material and application in smile designing along with necessary repairing techniques
Conservative Dentistry	CO1	Dental Caries and Age related changes and its conservative treatment will be attained by the candidate.
	CO2	Demonstration of the skills by the candidate in restoring the lost functions of stomatognathic system which includes mastication, speech, appearance and psychological comforts by conservative approach.
	CO3	Post graduate will be able to deliver the treatment to the patients irrespective of social status caste, creed or religion by adopting ethical principals in conservative practice while fostering professional honesty integrity.
	CO4	Apt conservative care will be learned and adapted in their practice in treating the patients especially geriatric patients.
Endodontics	CO1	Understanding the carious lesion, its prevalence and prevention related to endodontics by the post graduate.
	CO2	Adapting new methods and techniques in endodontics based on scientific research that occurs from time to time in view of patient's best interest will be learned by the candidate.
	CO3	Communication in patient's understandable language regarding the principals of endodontics will be adapted by the candidate.
	CO4	Post graduate will be able to diagnose and analyses various possibilities of endodontic treatment keeping in view of the various situations and needs of the patients
Essay	CO1	Gaining the knowledge, procedural and operative skills needed in master's degree in endodontics can be outlined by the post graduate.
	CO2	Ability to possess and apply the comprehensive knowledge will be attained by the candidate in all the sub branches.

  
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# PAEDIATRIC AND PREVENTIVE DENTISTRY

## PROGRAMME OUTCOME - MDS

After completion of postgraduate degree,

PO-1 The postgraduate should be able to create not only a good oral health in the child but also a good citizen tomorrow, instil a positive attitude and behaviour in children.

PO-2 The postgraduate should be able to understand the principles of prevention and preventive dentistry right from birth to adolescence

PO-3 The postgraduate should be able to guide and counsel the parents in regards to various treatment modalities including different facets of preventive, interceptive and therapeutic dentistry.

PO-4 The postgraduate should be able to obtain proper clinical history, methodological examination of the child patient, perform essential diagnostic procedures and interpret them and arrive at a reasonable diagnosis and treat appropriately.

PO-5 The postgraduate should be able to manage the disabled children effectively and efficiently, tailored to the needs of individual requirement and conditions; and acquire skills in managing efficiently emergency conditions with emphasis on basic life support measures.

## COURSE OUTCOMES

Applied Basic Sciences	CO 1	At the end of course, postgraduate should be able to Understand applied Anatomy, genetics, Applied Physiology, Applied Pathology, Nutrition, Dietics, Growth & Development, Cariology and Fluoride
	CO 2	Student will be get acquainted with Dental health concepts, Effects of civilization and environment, Dental Health delivery system, Public Health measures related to children along with principles of Pediatric Preventive Dentistry
	CO 3	Student should be able to describe aspects of research methodology and biostatistics
Clinical Paedodontics	CO 1	Student should be competent to treat gingival and pulpal diseases which are occurring in child patient.
	CO 2	Student should be able to manage the disabled children effectively and efficiently, tailored to the needs of individual requirement and conditions.
	CO 3	Student should be able to acquire skills in managing efficiency life threatening condition with emphasis on basic life support measure.
	CO 4	Student should able to assess and manage the behaviour of child using pharmacological methods during dental treatment
	CO 5	Student should be able to diagnose, plan the treatment and manage the traumatic injuries and developing malocclusion.
Preventive and Community Dentistry as applied to	CO 1	Student should be able to assess the child behaviour and manage using non pharmacological behaviour management techniques, instilling a positive attitude and behaviour in



Paediatric Dentistry		children.
	CO 2	Student should able to implement the principles of prevention and preventive dentistry right from birth to adolescence in clinical as well as community setting.
	CO 3	Student should able to guide and counsel the parents in regards to various treatment modalities including different facets of preventive dentistry
	CO 4	Student should able to apply the principles of epidemiology and research methodology.
Essay	CO 1	For a given case, the student after a critical assessment should able to adopt new methods and techniques of Paediatric dentistry that is developed time to time, based on scientific researches, which are in the best interest of the child and patient.
	CO 2	Student should be able to analyse and critically evaluate various aspects of preventive and clinical Pedodontics

  
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### Programme Outcomes (PO):

PO 1- The candidate should be able to examine the patients requiring Prosthodontics therapy, investigate the patient systemically, analyse the investigation results, plan a treatment, communicate it with the patient and execute it.

PO 2- Understand the prevalence and prevention of diseases of craniomandibular system related to prosthetic dentistry.

PO 3- Identify target diseases and awareness amongst the population for Prosthodontic therapy.

PO 4- Perform clinical and Laboratory procedure with understanding of biomaterials, tissue conditions related to prosthesis and have competent dexterity and skill for performing clinical and laboratory procedures in fixed, removable, implant, maxillofacial, TMJ and esthetics Prosthodontics.

PO 5- Laboratory technique management based on skills and knowledge of Dental Materials and Dental equipment and instrument management.

### Program Specific Outcome (PSO):

PSO 1- Able to understand and use various dental materials.

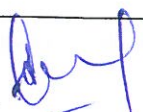
PSO 2- Competent to carry out treatment of conventional complete and partial removable dentures and fabricate fixed partial dentures.

PSO 3- Able to carry out treatment of routine prosthodontic procedure.

PSO 4- Familiar with the concept of osseointegration and the value of implant- supported prosthodontic procedures.

### Course Outcomes (CO):

Applied anatomy, physiology, pathology and dental materials	CO1	Post graduate would be able to diagnose the cause of the ailment, formulate the treatment plan and communicate it with the patient to execute it.
	CO2	The candidate would gain the thorough knowledge of applied basic and systematic medical sciences.
	CO3	Examination and systematic investigation of patients requiring prosthodontics treatment along with interpretation of investigation results will be achieved by the post graduate

  
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	CO4	Utilization of various material and application in fabrication of dental prosthesis along with necessary repairing techniques
Removable prosthodontics and oral implantology	CO1	Age related changes and its prosthodontics treatment related to removable prosthodontics and implantology will be attained by the candidate.
	CO2	Demonstration of the skills by the candidate in restoring the lost functions of stomatognathic system which includes mastication, speech, appearance I and psychological comforts by removable prosthesis.
	CO3	Post graduate will be able to deliver the treatment to the patients irrespective of social status caste, creed or religion by adopting ethical principals in prosthodontics practice while fostering professional honesty integrity.
	CO4	Apt implantology care will be learned and adapted in their practice in treating the patients especially geriatric patients.
Fixed prosthodontics	CO1	Understanding the diseases of craniomandibular system, its prevalence and prevention related to fixed prosthodontics by the post graduate.
	CO2	Adapting new methods and techniques in fixed prosthodontics based on scientific research that occurs from time to time in view of patient's best interest will be learned by the candidate.
	CO3	Communication in patient's understandable language regarding the principals of fixed prosthodontics will be adapted by the candidate.
	CO4	Post graduate will be able to diagnose and analyses various possibilities of fixed prosthodontic treatment keeping in view of the various situations and needs of the patients
Essay	CO1	Gaining the knowledge, procedural and operative skills needed in master's degree in prosthodontics can be outlined by the post graduate.
	CO2	Ability to possess and apply the comprehensive knowledge will be attained by the candidate in all the sub branches.

  
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**Programme Outcomes (PO):**

- PO1: Elicit 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.
- PO2: Demonstrate the ability to conduct oral health surveys, record history, and carry out clinical examination including all diagnostic procedure to arrive at diagnosis at the individual level and conduct survey of the community at state and national level of all conditions related to oral health to arrive at community diagnosis
- PO3: Identify social, economic, environmental and emotional determinants in a given individual patient or a community for the purpose of planning and execution of Community Oral Health Program as well as develop the planning, implementation, evaluation and administrative skills to carry out successful community Oral Health Programs.
- PO4: Demonstrate knowledge of global and national needs, policies and regulatory frameworks relevant to oral health.
- PO5: Function effectively as an oral health care team member in health care settings.
- PO6: 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.
- PO7: Teach in both didactic and clinical areas of undergraduate. Conduct, present and publish research projects based on national and global needs.
- PO8: Recognize and manage medico-legal, ethical and professional issues in dental practice.

  
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**Program Specific Outcome (PSO):**

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

**Course Outcomes (CO):**

Applied Basic Sciences	CO1	Apply basic sciences knowledge regarding aetiology, diagnosis and management of the prevention, promotion, and treatment of all the oral conditions at the individual and community level.
	CO2	Ability to Take history, conduct clinical examination including all diagnostic procedure to arrive at diagnosis at the individual level and conduct survey of the community at state and national level of all conditions related to oral health to arrive at community diagnosis.
	CO3	To apply ethical and moral standards while carrying out epidemiological research.
	CO4	Be humble and accept the limitations in his knowledge and skill and to ask for help from colleagues when needed and promote teamwork approach.

	CO5	Respect patient's rights and privileges including patients' right to information
Public Health	CO1	Identify social, economic, environmental, and emotional determinants in each individual patient or a community for the purpose of planning and execution of Community Oral Health Program.
	CO2	planning appropriate Community Oral Health Program conduct the program and evaluate at the community level.
	CO3	Develop the planning, implementation, evaluation, and administrative skills to carry out successful community Oral Health Programs.
	CO4	To apply ethical and moral standards while carrying out epidemiological research.
Dental Public Health	CO1	Ability to conduct Oral Health Surveys in order to identify all the oral health problems affecting the community and find solutions using multi-disciplinary approach.
	CO2	Develop appropriate person power at various levels and their effective utilization.
	CO3	Conduct survey and use appropriate methods to impart Oral Health Education.
	CO4	Respect patient's rights and privileges including patients right to information and right to seek a second opinion.
Essay	CO1	Identify social, economic, environmental, and emotional determinants in each individual patient or a community for the purpose of planning and execution of Community Oral Health Program.
	CO2	Ability to make use of knowledge of epidemiology to identify causes and plan appropriate preventive and control measures.
	CO3	Develop the planning, implementation, evaluation, and administrative skills to carry out successful community Oral Health Programs.

  
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