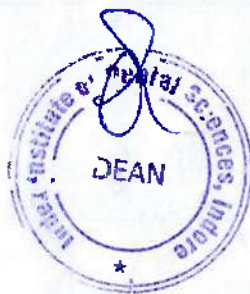


INDEX INSTITUTE OF DENTAL SCIENCES, INDORE
MALWANCHAL UNIVERSITY, INDORE

PROGRAM OUT COME AND COURSE OUTCOME
UNDER GRADUATE (BDS)
POST GRADUATE (MDS)
PROGRAM




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Index Institute of Dental Sciences

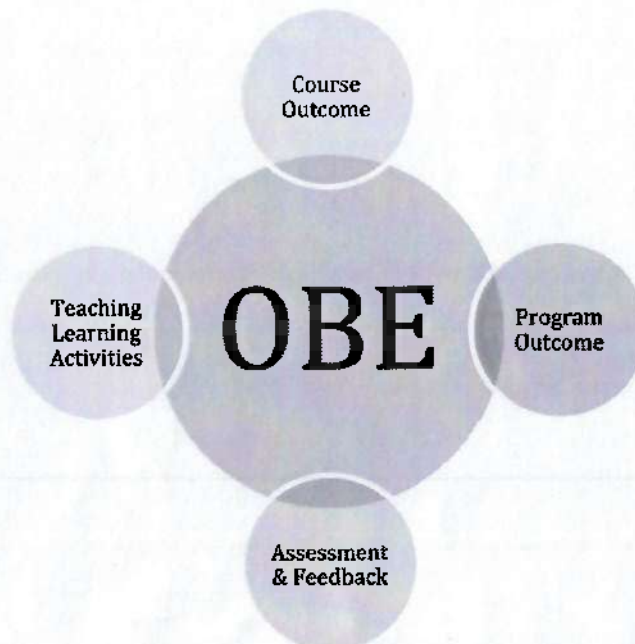
Program outcome-Course Outcome

INTRODUCTION TO OUT COME BASED EDUCATION (OBE):-

OBE is an educational theory that bases each part of an educational system around desired outcomes and defined goals. By the end of the educational experience, each student should have achieved the specified goal. There is no single specified style of teaching or assessment in OBE; instead, the role of the faculty adapts into instructor, trainer, facilitator, and/or mentor based on the outcomes targeted. Malwanchal University has adopted Outcome Based Education (OBE) across all the Programs offered. It is expected to show evident distinguishable improvement and attainment of knowledge and skill.

Outcome based education emphasizes on:

1. Stating what you want the students to be able to do at the end of the course/program
2. Assessing the students whether they are able to do what they are expected to do
3. Orienting teaching and other academic processes to facilitate the same

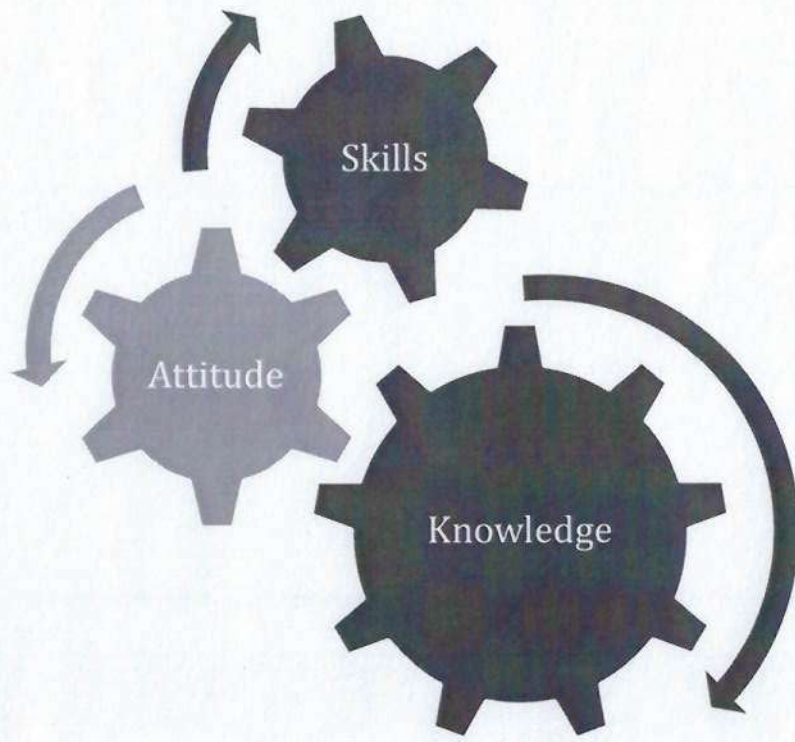



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TERMINOLOGY:

Program Out comes (POs):-

Program Outcomes are statements about the knowledge, skills, and attitudes (attributes) that a student should attain at the end of a program (Eg: BDS, MDS etc.). POs deal with the general aspect of attributes for a particular program, and the competencies and expertise a graduate will possess after completion of the program.




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Course Out Comes (COs):-

POs are attained through program specific Core Courses, which has their own previously set outcomes to attain. Course outcomes are statements describing the meaningful, observable and measurable knowledge, skills, attitudes and attributes the student will learn by the end of course/subject (Eg: Anatomy, Physiology, Biochemistry, etc.). COs are set by the institution, by consulting with the department-heads, faculty, students and other stakeholders.

All Pos can be adequately addressed through the selection of core course outcomes. These measurements provide the basis for continuous improvement in the quality of learning.

Program-specific outcomes are specific statements about what the student should be able to do at the time of graduation concerning cognitive, affective and psychomotor learning domains.

Course-specific learning outcomes or Competencies are designed to be a measurable, observable, and specific statement indicating what the student must know and should be able to do at the end of a teaching-learning process.

METHOD FOR MEASURING OUTCOMES:-

The program outcome (PO) and course outcome (CO) for all programs are given by Malwanchal University in accordance with Dental Council of India regulations. Guidelines are followed and adopted by Index Institute of Dental Sciences, Indore.

Outcome Attainment is based on and involves

- i. Internal assessment exams (formative assessment)
- ii. Final university examination (summative assessment) both in theory and practical components.

Weight age given for formative assessment is 10% as internal assessment in the final university examination.

Criteria for Pass:

A candidate shall be declared as pass if he/ she secures 50% of marks (including internal assessment) in each subject in theory and practical examination separately.

Scoring:

Scoring of Internal assessment is done based on the scores obtained on formative written examination, oral examination, practical or clinical examination, record work, assignments and tests. The syllabus and the teaching plans are designed in such a way as to achieve the defined course outcomes and the examinations are designed to check the attainment of course outcomes

CO Scoring Criteria:-

Score	Marks obtained%	CO attainment
0	0 – 50	Nil
1	51-60	Slight
2	61-80	Moderate
3	81-100	Substantial



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PROGRAM OUTCOME AND COURSE OUTCOME
UNDERGRADUATE PROGRAM
BACHELOR OF DENTAL SURGERY (BDS)
PROGRAM CODE:- MUD-04BDS

STATEMENT OF PROGRAM OUTCOMES:

PO1: Knowledge and Understanding

PO2: Skills

PO3: Attitude

PO1: Knowledge and Understanding:

- Describe normal and abnormal human structure, development, function and behavior that is relevant to the practice of Dentistry.
- Apply basic knowledge of biomedical, technical and clinical sciences for the effective practice of Dentistry.
- Demonstrate knowledge of global and national needs policies and regulatory frame works relevant to oral health.
- Recognize medico-legal, ethical and professional issues in dental practice.
- Gain adequate clinical experience for general dental practice.
- Adequate knowledge of the influence of the natural and social environment on the state of health.

PO2: Skills:

- 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.
- Demonstrate the ability to interpret available clinical and laboratory data and effective clinical problem solving, in order to generate differential diagnoses and to manage oral health disorders.
- Perform and interpart a basic oral radiological examination safely.
- Plan and administer, safely, appropriate treatments, including surgical procedures, for common oral disorders in adults as well as children.
- Identify and manage common medical emergencies encountered in general dental practice.
- Identify and refer patients who many require specialist care.



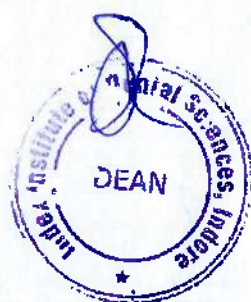

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PO3: Attitude:

- Function effectively as an oral health care team member in health care settings
- 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.
- Demonstrate the willingness to continue refining existing knowledge/skills and acquire new knowledge/skills.
- Select and pursue an appropriate career path, that is professionally rewarding and personally fulfilling.
- Demonstrate and practice integrity, responsibility, respect and selflessness.
- To participate the implementation of national oral health policy and improved awareness towards oral health problems throughout the community.

For Mapping:-

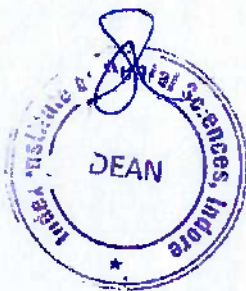
1. Poorly met (For a particular CO, if there is 1 key element in a particular PO met)
NA: Not applicable
2. Partially met (For a particular CO, if there are ≥ 2 Key elements ≤ 4 Key elements in a particular PO met)
3. Fully met (For a particular CO, if there are ≥ 4 Key elements in a particular PO met)



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COURSE OUT COMES:-

Name of The Programme	Course Code	Name of the course	Course out come
Bachelor of Dental Surgery (BDS)	BDS-101	General Human Anatomy including Embryology and Histology	<ol style="list-style-type: none">1. Student should have knowledge of normal disposition of the structures in the body, microscopic structure of the various tissues and nervous system and be able to locate the site of lesions and sectional anatomy of head, neck and brain.2. Students should possess knowledge above embryological development of various structures of head and neck and the developmental anomalies.3. Students should have an integrated knowledge on basic sciences and clinical subjects.
Bachelor of Dental Surgery (BDS)	BDS-102	General Human Physiology and Biochemistry, Nutrition and Diatics	<ol style="list-style-type: none">1. Student should understand the unique role of each organ and organ system in maintaining health. Students should be able to describe the functions of the distinctive cells that comprise each major organ and when appropriate define the role of physiological functional units.2. Dental student should have knowledge on physiological principles underlying the pathogenesis of various diseases of oral and para-oral structures. They should be equipped with basic skill to conduct and interpret experimental and investigative data, and acquire knowledge regarding the clinical aspects of failure of various organ systems.3. Dental student with knowledge on Biochemical agents related to dentistry, including various micro and macronutrients.



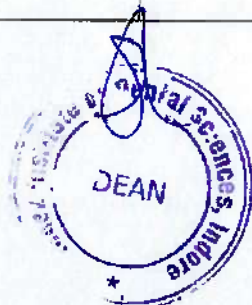

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Bachelor of Dental Surgery (BDS)	BDS-103	Dental Anatomy, Embryology and Oral Histology	<ol style="list-style-type: none"> 1. Dental graduate with basic knowledge on Morphology of both deciduous and permanent teeth, Methods of identifying the teeth and age determination. 2. Dental graduate with basic skills in Wax carving of teeth, and Identifying the basic histology slides by microscopy. 3. Dental graduate with potential to efficiently communicate physiological development, morphology, structure & functions of teeth and oral & para-oral tissues & its variations.
Bachelor of Dental Surgery (BDS)	BDS-201	General Pathology & Microbiology	<ol style="list-style-type: none"> 1. Students to have knowledge on pathological changes at macroscopic and microscopic levels, capabilities and limitations of morphological Pathology in its contribution to dentistry. 2. Ability to integrate knowledge from the basic sciences to clinical application dentistry with sound understanding of various infectious diseases and lesions in the oral cavity, various method Sterilization and disinfection. 3. 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.
Bachelor of Dental Surgery (BDS)	BDS-202	General and Dental Pharmacology and Therapeutics	<ol style="list-style-type: none"> 1. Dental student with knowledge on indications, contraindications; interactions, allergies and adverse reactions of commonly used drugs, use of appropriated regimen disease with consideration to its efficacy, safety for individual and mass therapy needs. 2. Dental student with an ability to advice and exercise 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. 3. Dental student with skills to critically evaluate drug formulations and be able to interpret the clinical pharmacology of marketed preparations commonly used in dentistry.




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Bachelor of Dental Surgery (BDS)	BDS-203	Dental Materials	<ol style="list-style-type: none"> 1. Dental student interpret the Biocompatibility and type of biological responses that materials cause and the anatomic aspects of the oral cavity that influence or modify the biological response to materials. 2. Dental student acquire knowledge of the composition, properties, manipulative variables, and recent advances of restorative, preventive, esthetic and surgical dental materials. 3. Dental student develop the ability to use dental materials which will include the manipulation through laboratory and clinical exercises.
Bachelor of Dental Surgery (BDS)	BDS-204	Pre-Clinical Prosthodontics and Crown & Bridge	<ol style="list-style-type: none"> 1. 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 prosthetic dentistry. 2. Dental student with sound knowledge on landmarks in edentulous patients who would be able to do all lab procedures to make a conventional complete denture and repair the same. 3. The candidate will have a basic knowledge of removable partial denture and fixed partial denture prosthesis.
Bachelor of Dental Surgery (BDS)	BDS-205	Pre-Clinical Conservative Dentistry	<ol style="list-style-type: none"> 1. Knowledge of the scientific foundation of conservative dentistry and understanding of various treatment procedures carried out in conservative dentistry with emphasize on biological principal to be followed during these treatment procedures. 2. To acquire knowledge of various instruments and materials used in restorative procedures. To be aware of recent developments in instruments and materials used in conservative dentistry and update his/her knowledge by attaining various continuing education programmes. 3. Dental student with basic skill to prepare cavity designs to receive various restorative materials on typhodont teeth in skill laboratory.



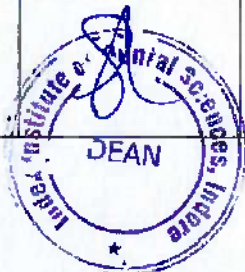


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Bachelor of Dental Surgery (BDS)	BDS-301	General Medicine	<ol style="list-style-type: none"> 1. Dental student with sound knowledge on Oral manifestations of systemic diseases, medical emergencies in dental practice. Special precautions/contraindication of anesthesia. 2. Dental students with ability to diagnose and manage various common medical problems encountered in general, dental practice and dental emergencies. 3. Dental student with basic skill to prevent and manage complications encountered while carrying out various dental surgical and other procedures.
Bachelor of Dental Surgery (BDS)	BDS-302	General Surgery	<ol style="list-style-type: none"> 1. Dental student with sound surgical knowledge anatomy, physiology and pathological basis of anomalies, lesions and diseases of head and neck. 2. Dental student with an ability to diagnose and manage various common surgical problems encountered in general dental Practice and dental emergencies. 3. Know the interpretation of Radiological films of Head and Neck and acquire the clinical ability to perform minor surgical procedures such as Draining an Abscess and taking a Biopsy.
Bachelor of Dental Surgery (BDS)	BDS- 303	Oral Pathology and Oral Microbiology	<ol style="list-style-type: none"> 1. Dental graduate with basic knowledge on pathogenesis of Oral disease, diagnosis and comparison based on clinical, radiograph and histopathologic features of oral disease. 2. Dental graduate with basic skills in preparation of ground sections and oral smears, age estimation based on teeth, identifying and diagnosing the pathology based on light microscopy. 3. Dental graduate with potential to efficiently communicate diagnosis & correlate with other oral disease with their pathological processes.



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Bachelor of Dental Surgery (BDS)	BDS-401	Oral Medicine & Radiology	<ol style="list-style-type: none"> 1. Generate graduates that demonstrate the necessary 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. 2. Possess skill to carry out required investigative procedures including clinical and radiological investigations and ability to interpret laboratory findings and do accurate treatment planning. 3. Promote oral health and help to prevent oral diseases wherever possible and to help and to participate in the implementation of national health programs.
Bachelor of Dental Surgery (BDS)	BDS-402	Paediatric and Preventive dentistry	<ol style="list-style-type: none"> 1. Dental practitioners with ability to diagnose common dental problems and or capability to assess growth and development variations and suggest necessary referrals or actions as needed timely. 2. Clinicians who can effectively and efficiently perform basic dental treatments in children from birth to adolescence with proper behavior management of child and the parent, as well as instill positive mental attitude towards preventive modalities. 3. Demonstrate the management of disabled children effectively and efficiently, tailored to the need of individual requirement and conditions.
Bachelor of Dental Surgery (BDS)	BDS-403	Orthodontics & Dentofacial Orthopaedics	<ol style="list-style-type: none"> 1. Dental Graduate with basic knowledge of the dynamic interaction of biologic processes and mechanical forces acting on the stomatognathic system during orthodontic treatment and the etiology, pathophysiology, diagnosis and treatment planning of various common Orthodontic problems. Factors affecting the long-range stability of orthodontic correction and their management. 2. Be proficient in various treatment modalities in Orthodontics preventive interceptive and corrective. To be competent to fabricate 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 to be treated singly or as a part of multidisciplinary treatment of orofacial deformities. 3. Develop an attitude to adopt ethical principles in all aspects of Orthodontic practice and Willingness to adopt, after a critical assessment, new methods and techniques of orthodontic management developed from time to time based on scientific research, which are in the best interest of the patient.

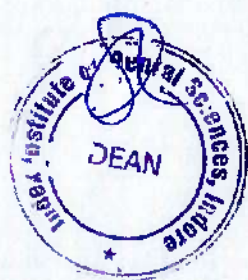


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Bachelor of Dental Surgery (BDS)	BDS-404	Periodontology	<ol style="list-style-type: none"> 1. Oral health professionals with knowledge of the diverse anatomic and microscopic features of the periodontist and the inter-related functional aspects. 2. Graduates demonstrate the ability to recognize, diagnose and manage the various forms of periodontal, peri-implant diseases and also aware of appropriate measures for the prevention of periodontal diseases. 3. Graduates who can analyze the role of inter-disciplinary approaches in periodontal / peri-implant therapy for a successful outcome. Dental graduate with a research mindset trained on par with international standards.
Bachelor of Dental Surgery (BDS)	BDS-405	Prosthodontics and Crown & Bridge	<ol style="list-style-type: none"> 1. Dental graduate with ability to diagnose and plan treatment for patients requiring Prosthodontic therapy, Interpret radiograph and other investigations for the purpose of diagnosis and treatment planning. Evaluate stomatognathic system and plan and execute Complete Denture Prosthodontics, removable partial denture Prosthodontics, fixed Prosthodontics and maxillofacial and Craniofacial Prosthodontics, implants and implant supported Prosthodontics. 2. Dental graduate who is able to diagnose, motivate and treat patients who are suffering from T.M.J and occlusal disorders along with craniofacial and oral acquired and congenital defects. Dental graduate skilled enough to identify cases requiring specialist prosthodontic treatment and send refer them for further follow up. 3. Perform clinical and Laboratory procedure with an understanding of biomaterials, tissue conditions related to the prosthesis and have competent dexterity and skill for performing clinical and laboratory procedures in fixed, removable, implant, maxillofacial, Prosthodontics. Adopt new methods and techniques in prosthodontics from time to time based on scientific research, which is in patient's best interest.
Bachelor of Dental Surgery (BDS)	BDS-406	Conservative Dentistry and Endodontics	<ol style="list-style-type: none"> 1. Demonstrate understanding of basic sciences as relevant to conservative / restorative dentistry and Endodontic. 2. Describe a etiology, path physiology, diagnosis and management of common restorative situations, endodontic situations that will include contemporary management of dental caries, management of trauma and pulpal pathosis including endo-perio lesions. 3. Ability to master differential diagnosis and recognize conditions that may require multi disciplinary approach or a clinical situation outside the realm of the specialty and to instill the importance of life-long learning and updating the knowledge in the field of restorative dentistry and endodontic.



Bachelor of Dental Surgery (BDS)	BDS-407	Oral and Maxillofacial Surgery	<ol style="list-style-type: none"> 1. Application of knowledge of related medical subjecting management of patients with oral surgical problem. 2. Sufficient knowledge to diagnose, manage and treat minor oral surgical problem & perform the procedures required. 3. Understanding and exposure to the management of major oral surgical problems and principles involved in patient management.
Bachelor of Dental Surgery (BDS)	BDS-408	Public Health Dentistry	<ol style="list-style-type: none"> 1. Dental graduate with basic knowledge and skills required for identifying oral health problems, collecting data on oral health problems prevailing in the country through surveys, developing strategies for their control at individual and community levels. 2. Dental graduate with skills to take history, conduct clinical examination including all diagnostic procedures 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. Plan and perform all necessary treatment, prevention and promotion of Oral Heal at the individual and community level. 3. Dental graduate with potential to efficiently communicate needs of the community and educate simple self care strategies to promote oral health of population.




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PROGRAM OUT COME AND COURSE OUTCOME
POST GRADUATE PROGRAM
MASTER OF DENTAL SURGERY (MDS)
PROGRAM CODE:- MUDP-05MDS

MDS in Prosthodontics and Crown & Bridge
PROGRAM CODE:- MUDP-05PC

PROGRAM OUT COMES:-

- PO1 :** Demonstrate knowledge of the anatomy and physiology of the oral and peri-oral tissues.
- PO2 :** Describe of the epidemiology, etiology, pathology and clinical presentation of diseases of the oral and peri-oral tissues.
- PO3 :** Elicit relevant history and reform appropriate clinical examinations needed to evaluate the oral and related medical conditions for all patients.
- PO4 :** Implement clinical solutions in response to prosthodontic clinical problems by developing an evidence-based treatment plan and taking a holistic approach to solving problems and designing treatment plans.
- PO5 :** Apply knowledge of biomaterial science to provide and tailor safe, effective prosthodontic solutions to clients.
- PO6 :** Demonstrate the ability to critically assess scientific papers and available evidence such as guidelines and apply it into clinical practice.
- PO7 :** Demonstrate communication skills, with patients and other professionals in clinical and professional settings.
- PO8 :** Function as an effective team leader of a multi-professional team practicing Prosthodontics.
- PO9:** Demonstrate a respect for human values, human rights and social responsibilities.




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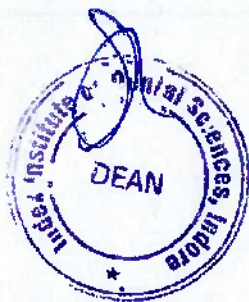
COURSE OUT COMES:-

PROGRAM NAME	PROGRAM CODE	COURSE CODE	COURSE NAME	COURSE OUTCOME
MDS in Prosthodontics and Crown & Bridge	MUDP-05PC	MDS-101	Applied Basic Sciences: Applied Anatomy & Nutrition & Biochemistry, Pathology & Microbiology, virology, Applied Dental anatomy & histology, Oral pathology & oral Microbiology, Adult and geriatric psychology. Applied dental material	<ol style="list-style-type: none"> 1. The candidate would possess knowledge about applied basic and systematic medical sciences. 2. The candidate would be able to examine the patients requiring prosthodontics therapy, investigate the patient systemically, and analyze the investigation results. 3. The candidate would diagnose the ailment, plan a treatment, communicate it with the patient and execute it.
MDS in Prosthodontics and Crown & Bridge		MDS-301- I	Removable Prosthodontics and Implant supported prosthesis (Implantology), Geriatric dentistry and Cranio facial Prosthodontics	<ol style="list-style-type: none"> 1. The candidate would possess knowledge about age changes and prosthodontic therapy for the aged related to removable Prosthodontics and Oral Implantology. 2. The candidate would be able to demonstrate the clinical competence to restore lost functions of stomatognathic system namely mastication, speech, appearance and psychological comforts by removable prosthesis. 3. The candidate would be able to adopt ethical principles in prosthodontic practice roster professional honesty and integrity and deliver treatment.
MDS in Prosthodontics and Crown & Bridge		MDS-301- II	Fixed Prosthodontics, Occlusion, TMJ and esthetics.	<ol style="list-style-type: none"> 1. The candidate would be understand fundamental of fixed prosthodontics and various occlusal schemes & concepts. 2. The candidate would be willing to adopt new methods and techniques in fixed



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				<p>prosthodontics from time to time based on scientific research, which is in patient's best interest.</p> <p>3. The candidate would be able to reconstruct patients appearance harmoniously from esthetic patients of view and have a thorough knowledge of TMJ and their disorders & treatment.</p>
MDS in Prosthodontics and Crown & Bridge		MDS-301- III	ESSAY	<p>1. The candidate would be able to outline the knowledge, procedural and operative skills needed in Masters Degree in Prosthodontics.</p> <p>2. The candidate would possess comprehensive knowledge and the ability to apply the same in all the sub branches of prosthodontics.</p> <p>3. The candidate should be aware of latest advances in the field of Prosthodontics and be aware of interdisciplinary treatment planning.</p>



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MDS in Periodontology
PROGRAM CODE:- MUDP-05PD

PROGRAM OUT COMES:-

PO1 : Describe the biology and pathology of the periodontium as well as the principles of bone biology and wound healing.

PO2 : Describe relevant surgical head and neck anatomy.

PO3 : Collect, organise, analyse, interpret and present clinical data related to the examination of periodontal tissues.

PO4 : Analyse occlusal factors in the initiation and progression (expression) of periodontal disease.

PO5 : Collect, organise, analyse, interpret and present clinical data related to the assessment of sites planned for implant placement.

PO6 : Utilize the appropriate diagnosing techniques relevant to periodontal and implant treatment.

PO7 : Establish a prognosis for the outcomes of periodontal and implant treatments.

PO8 : Demonstrate competence in non-surgical and surgical management of periodontal defects, regenerative techniques, mucogingival procedures.

PO9 : Demonstrate Knowledge of managing medical emergencies in the dental clinic.

PO10: Demonstrate Knowledge to develop a treatment plan for medically compromised patients.

PO11: Perform restoration driven implant placement based on the pre-operative planning.

PO12: Perform augmentation procedures prior to implant placement by using the appropriate material and techniques.

PO13: Develop and implement recall and evaluate strategies following periodontal treatment and supportive maintenance therapy.

PO14: Communicate effectively with other disciplines in treatment planning and in treatment sequencing.

PO15: Conduct, present and publish research projects based on national and global needs.

PO16: Teach in both didactic and clinical areas of undergraduate periodontics.

PO17: Demonstrate appropriate professional attitudes and behaviour in dealing with staff members and helping personnel.

PO18: Converse with patients in an attentive manner that conveys concern, compassion, and the moral support of patients or their families.

COURSE OUT COMES:-

PROGRAM NAME	PROGRAM CODE	COURSE CODE	COURSE NAME	COURSE OUTCOME
MDS in Periodontology	MUDP-05PD	MDS-102	Applied Basic Sciences: Applied Anatomy, Physiology, &	1. Should have a basic knowledge on research methodology, biostatistics and be able to apply it in various research projects as well as dissertations.



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			Biochemistry, Pathology, Microbiology, Pharmacology, Research Methodology and Biostatistics.	<ol style="list-style-type: none"> 2. Should have an understanding of the broad range of infections diseases affecting the oral cavity and the appropriate use of antimicrobial drugs. 3. Be aware of the contemporary principles and practices of laboratory diagnostic techniques and interpretation of laboratory reports.
MDS - Periodontology		MDS- 302- I	Normal Periodontal structure, Etiology & Pathogenesis of Periodontal diseases, epidemiology as related to Periodontics	<ol style="list-style-type: none"> 1. Should have a understanding on the normal structure of periodontium and the contributing etiological factors resulting in the pathogenesis of periodontal diseases. 2. Should have a sound knowledge of the etio pathogenesis and apply it in diagnosing various periodontal diseases and should be familiar with various periodontal therapies available to treat those cases. 3. Should be able to record indices and plan out epidemiological survey to assess the prevalence and incidence of periodontitis in Indian Population.
MDS - Periodontology		MDS- 302- II	Periodontal diagnosis, therapy & Oral Implant logy	<ol style="list-style-type: none"> 1. Should have a sound knowledge of the etio pathogenesis and apply it in diagnosing various periodontal diseases and should be familiar with various periodontal therapies available to treat those cases. 2. Evaluate the results of the treatment and to carry out any further procedures required to maintain or improve the obtained treatment outcomes including management of peri implant disease. 3. Develop knowledge skill and the science of oral implant logy. Should be aware of the various designs and placement of oral implants and follow up of implant restorations.



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MDS - Periodontology		MDS- 302- III	Descriptive and analysing type Question	<ol style="list-style-type: none"> 1. Should be knowledgeable to provide clinical care for patients with complex problems that are beyond the treatment skills of general dentist and demonstrate evaluative and judgment skills in making appropriate decision regarding prevention, correction and referral to deliver comprehensive care to patients. 2. Should have an updated knowledge on the recent advancements and be able to modify their treatment accordingly. 3. Should be able to analyze various clinical scenarios and apply their knowledge accordingly. 4. Should deliver evidence based treatment.
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MDS in ORAL AND MAXILLOFACIAL SURGERY

PROGRAM CODE:- MUDP-05OM

PROGRAM OUT COMES:-

At the end of the program, post graduates will be able to...

PO1 : Demonstrate knowledge and understanding of etiology, pathophysiology and diagnosis, appropriate treatment planning of various oral and maxillofacial surgical problems.

PO2 : Apply general surgical principles to pre and post-surgical management particularly evaluation, post surgical care, fluids and electrolyte management, blood transfusion and post surgical pain, management.

PO3 : Demonstrate knowledge of basic sciences relevant to the practice of oral and maxillofacial surgery.

PO4 : Record clinical history, perform a methodical examination of the patient, order essential diagnostic investigation and interpret them and deduce reasonable diagnosis and formulate treatment plan of the surgical condition.

PO5 : Formulate an evidence-based and cost-effective treatment plan in collaboration with the patient.

PO6 : Practise with competence minor oral surgical procedures and common maxillofacial surgery both surgically and medically (if required multispecialty approach).

PO7 : Provide apt diagnosis, surgical and medical management of diseases, injuries and defects of human jaws and associated oral structure by interaction with other dental, medical and allied disciplines.

PO8 : Practise personal hygiene and infection control, prevention of cross infection and safe disposal of hospital waste keeping in view of the high prevalence of hepatitis, HIV and other transmissible diseases.

PO9 : Develop an attitude to seek an opinion from allied medical and dental specialists as and when required and be willing to share knowledge and clinical experience with professional colleagues.

PO10 : Adopt new techniques of surgical management developed from time to time-based on own research or critical appraisal of research literature which are in the best interest of the patient.

PO11: Provide compassionate patient care and help in national health scenario and neighbouring regions for conditions relevant to the specialty of Oral & Maxillofacial Surgery irrespective of social status, caste, creed or religion of the patient.

PO12 : Communicate with patients from diverse backgrounds including the ability to listen to, respond to, and provide appropriate information and obtaining a truly informed consent.

PO13 : Function as an effective team member / leader of a multi professional oral and maxillofacial surgical team.

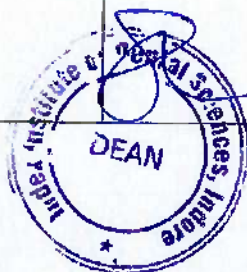
PO14 : Demonstrate a respect for human values, human rights and social responsibilities.



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COURSE OUT COMES:-

PROGRAM NAME	PROGRAM CODE	COURSE CODE	COURSE NAME	COURSE OUTCOME
Oral and Maxillofacial Surgery	MUDP-05OM	MDS-103	Applied basic sciences	<p>1. The student would be knowledgeable about:</p> <ul style="list-style-type: none"> * Congenital abnormality of orofacial regions. * Surgical anatomy of scalp, temple and face. * Anatomy and its applied aspects of triangles of neck and deep structures of neck. * Cranial facial bones and surrounding soft tissues. * Cranial nerves. * Tongue. * Temporal and infra temporal region and Temporomandibular joint in detail. * Orbits and its contents. * Muscles of face and neck. * General consideration of the structure and function of brain and applied anatomy of intracranial venous sinuses. * Cavernous sinus and superior sagittal sinus. * Brief consideration of autonomous nervous system of head and neck. * Functional anatomy of mastication, Deglutition and Speech. * Respiration and circulation. * Histology of skin, oral mucosa, connective tissue, bone, cartilage, cellular elements of blood vessels, Lymphatic , Nerves, Muscles. * Tooth and its surrounding structures. * Cross – sectional Anatomy of the head and neck, as applied in CT, MRI Interpretation. * Salivary glands – Anatomy, Embryology and Histology. <p>2. APPLIED PHYSIOLOGY</p> <ul style="list-style-type: none"> * Nervous system – physiology of



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				<p>nerve conduction, pain pathway, sympathetic and parasympathetic nervous system, hypothalamus and mechanism of controlling body temperature.</p> <p>* Blood - its composition hemostasis, blood dyscrasias and its management, hemorrhage and its control, blood grouping, cross matching, blood component therapy, complications of blood transfusion, blood substitutes, auto transfusion, cell savers.</p> <p>* Digestive system - composition and functions of saliva, mastication, deglutition, digestion, assimilation, urine formation, normal and abnormal constituents.</p> <p>* Respiratory system – respiration control of ventilation, anoxia, asphyxia, artificial respiration, hypoxia – type and management.</p> <p>* CVS - cardiac cycle, shock, heart sounds, blood pressure, hypertension.</p> <p>*Endocrinology - metabolism of calcium , end cranial activity and disorder relating thyroid gland, parathyroid gland, adrenal gland, pituitary gland, pancreas and gonads.</p> <p>* Nutrition – general principles balanced diet, effect of dietary deficiency, protein energy malnutrition, nutritional assessment, metabolic responses to stress, need for nutritional support ,entrails nutrition, roots of access to GIT, parenteral nutrition, access to central veins, nutritional support.</p> <p>* Fluid and electrolytic balance / acid base metabolism – the body fluid compartment, metabolism of water and electrolytes, factors maintaining hemo stasis causes for treatment of acidosis and</p>
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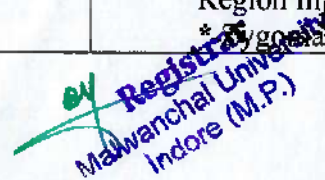
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				<p>alkalosis.</p> <p>3. APPLIED PATHOLOGY & PHARMACOLOGY1:</p> <p>*Inflammation – Acute and chronic inflammation, repair and regeneration, necrosis and gangrene and role of component system in acute inflammation, role of arachidonic acid and its metabolites in acute inflammation, growth factors in acute inflammation role of NSAIDS in inflammation, cellular changes in radiation injury and its manifestations.</p> <p>* Wound management - Wound healing factors influencing healing, properties of suture materials, and appropriate uses of sutures.</p> <p>* Hemo stasis - Role of endothelium in thrombo genesis, arterial and venous thrombi, disseminated intravascular coagulation.</p> <p>* Hypersensitivity - Shock and pulmonary failure, types of shock, diagnosis, resuscitation, pharmacological support, ARDS and its causes and prevention, ventilation and support.</p> <p>* Neoplasia - classification of tumours, carcinogens and carcinogenesis, spread of tumors, characteristics of benign and malignant tumors, grading and staging of tumour svarious laboratory investigation. Chromosomal abnormalities with or facial manifestations.</p> <p>* Basics of immunology – primary and acquired immune deficiencies.</p>
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		MDS-303- I	Minor Oral Surgery and Maxillofacial Trauma	<p>1. The students would be well trained in the assessment and management of:</p> <ul style="list-style-type: none"> * Basic exodontias. * Complicated exodontias. * Surgical management of impacted teeth. * Ectopically positioned and unerupted teeth. * Tooth reimplantation and transplantation. * Surgical up righting and repositioning. * Principles of endodontic microsurgery. * Periodontal considerations for oral surgery. * Procedures involving the dent gingival Junction. * Pediatric dent alveolar surgery. * Lasers in Oral and Maxillofacial Surgery. * Complications of dent alveolar surgery. <p>2. The students would be able to</p> <ul style="list-style-type: none"> *Diagnose and manage medical emergencies like, prevention and management of altered consciousness (syncope, orthostatic hypotension, seizures, diabetes mellitus, adrenal insufficiency), hypersensitivity reactions, chest discomfort, and respiratory difficulty the students would be knowledgeable about. *Diagnosis and perioperative management of head and neck injuries. *Basic Principles of Treatment of hard and soft tissue injuries. <p>3. The students would be acquainted with the knowledge and clinical skills in the management of Dent alveolar Injuries</p> <ul style="list-style-type: none"> * Mandibular Fractures. * Temporomandibular Joint Region Injuries. * Zygomatic Complex Fractures.
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				<ul style="list-style-type: none"> * Orbital Trauma. * Midface Injuries. * Frontal Sinus Fractures and associated Injuries. * Nasal Injuries. * Soft Tissue Injuries. * Special Soft Tissue Injuries. * Avulsive Hard Tissue Injuries. * Maxillofacial Injuries in Children. * Maxillofacial Injuries in the Elderly. * Complex Facial Trauma Patient.
		MDS-303- II	Maxillofacial Surgery	<p>1. The students would be acquainted with the knowledge and clinical skills in the management of</p> <p>*Salivary gland: Sialography, Salivary fistula and management diseases of salivary gland - developmental disturbances, cysts, inflammation and sialolithiasis, Mucocele and Ranula, Tumors of salivary gland and their management, Staging of salivary gland tumors, Parotidectomy.</p> <p>* Temporomandibular Joint: Etiology, history signs, symptoms, examination and diagnosis of temporomandibular joint disorders, Ankylosis and management of the same with different treatment modalities, MPDS and management, Condylectomy - different procedures, Various approaches to TMJ, Recurrent dislocations - Etiology and Management.</p> <p>* Oncology: Biopsy, Management of pre-malignant tumors of head and neck region, Benign and Malignant tumors of Head and Neck region, Staging of oral cancer and tumor markers Management of oral cancer, Radial Neck dissection, Modes of spread of tumors, Diagnosis and management of tumors of nasal,</p>




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				<p>paranasal, neck, tongue, cheek, maxilla and mandible Radiation therapy in maxillofacial regions, Lateral neck swellings.</p> <p>* Orthognathic surgery: Diagnosis and treatment planning, Cephalometric analysis, Model surgery, Maxillary and mandibular repositioning procedures, Segmental osteotomies, Management of apertognathia, Genioplasty, Distraction osteogenesis Cysts and tumor of oro facial region: Odontogenic and non-Odonfogenic tumors and their management ,Giant lesions of jawbone, Fibro osseous lesions of jawbone, Cysts of jaw.</p> <p>* Cleft lip and palate: Detailed knowledge of the development of the face, head and neck, Diagnosis and treatment planning, Current concepts in the management of cleft lip and palate deformity Knowledge of Naso endoscopy and other diagnostic techniques in the evaluation of speech and hearing, Concept of multidisciplinary team management.</p> <p>2. Laser Surgery & Aesthetic facial surgery: Detailed knowledge of the structures of the face and neck including skin and underlying soft tissue, Diagnosis and treatment planning of deformities and conditions affecting facial skin, Underlying facial muscles, bone. Eyelids external ear Surgical management of post acne scarring, facelift, blepharoplasty, otoplasty, facial bone recon touring, etc Craniofacial surgery: Basic knowledge of developmental anomalies of the face, head and neck, Basic concepts in the diagnosis and planning of various</p>
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				<p>head and neck anomalies including facial clefts, craniosynostosis syndromes, etc. Current concept in the management of Craniofacial anomalies.</p> <p>3. Implantology: Principles for the Surgical Placement of endosseous Implants, Subperiosteal Implants, The Transmandibular Implant Reconstruction System, Single - tooth Replacement in Oral Implantology, posterior implant restorations for partially edentulous patients, maxillary sinus grafts and implants, surgical implant failures, soft tissue considerations.</p>
		MDS-303- III	ESSAY	<ol style="list-style-type: none"> 1. The students would be able to diagnose, meticulously plan and manage competently various conditions in maxillofacial surgery including challenging cases. 2. They would be knowledgeable about conventional and recent advances in the diagnosis and management of oral and maxillofacial conditions. 3. The students would be well versed in basic surgical techniques and knowledgeable about the advanced skills required in maxillofacial surgery.




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MDS in CONSERVATIVE DENTISTRY & ENDODONTICS

PROGRAM CODE:- MUDP-05CE

PROGRAM OUT COMES:-

At the end of the program, post graduates will be able to...

PO1 : Demonstrate an understanding of basic sciences as relevant to conservative/restorative dentistry and Endodontics.

PO2 : Perform a physical and oral examination of the patient, identify normal and abnormal functioning of various systems of the body, take proper chair side history, examine the patient and perform medical and dental diagnostic procedures; as well as perform relevant tests and interpret them to come to a reasonable diagnosis about the dental condition.

PO3 : Diagnose and recognize conditions that may require multidisciplinary approach or a clinical situation outside the realm of the specialty, which he or she should be able to recognize and refer to an appropriate specialist.

PO4 : Perform infection control measures in the dental clinical environment and laboratories.

PO5 : Adopt ethical principles in all aspects of restorative and contemporary Endodontics including non-surgical and surgical Endodontics.

PO6 : Perform all levels of restorative work including Aesthetic procedures and treatment of complicated restorative procedures.

PO7 : Describe and manage etiology, pathophysiology, periapical diagnosis and management of common endodontic situations that will include contemporary management of trauma and pulpal pathosis including endodontic-periodontic considerations.

PO8 : Diagnose, plan and execute challenging clinical cases requiring comprehensive management strategies using contemporary materials and techniques in the specialty of conservative dentistry and endodontics.

PO9 : Demonstrate communication skills in particular to explain various options available management and to obtain a true informed consent from the patient.

PO10: Apply moral and ethical standards while carrying on human or animal research.



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COURSE OUT COMES:-

PROGRAM NAME	PROGRAM CODE	COURSE CODE	COURSE NAME	COURSE OUTCOME
MDS-Conservative Dentistry & Endodontics	MUDP-05CE	MDS-104	Applied basic Sciences	<ol style="list-style-type: none"> 1. Students would be able to demonstrate understanding of basic sciences as relevant to conservative / restorative dentistry and Endodontics. 2. Students would demonstrate infection control measures in the dental clinical environment and laboratories. 3. Student would adopt ethical principles in all aspects of restorative and contemporary Endodontics including non-surgical and surgical Endodontics.
		MDS-304- I	Conservative Dentistry	<ol style="list-style-type: none"> 1. Students would be able to describe a etiology, path physiology, diagnosis and management of common restorative situations that will include contemporary management of dental caries, non-carious lesions and hypersensitivity. 2. Students would be able to take proper chair side history, examine the patient and perform medical and dental diagnostic procedures; as well as perform relevant tests and interpret them to come to a reasonable diagnosis about the dental condition. 3. Perform all levels of restorative work including Aesthetic procedures and treatment of complicated restorative procedures.




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		MDS-304- II	Endodontics	<ol style="list-style-type: none"> 1. Students would be able to describe a etiology, path physiology, periapical diagnosis and management of common endodontic situations that will include contemporary management of trauma and pulpal pathoses including endo - periodontal situations. 2. Students would be able to master differential diagnosis and recognize conditions that may require multidisciplinary approach or a clinical situation outside the realm of the specialty, which he or she should be able to recognize and refer to appropriate specialist. 3. Students would perform all levels of surgical and non - surgical Endodontic including endodontic end osseous implants, retreatment as well as endodontic -periodontal surgical procedures as part of multidisciplinary approach to clinical condition.
		MDS-304- III	Essay	<ol style="list-style-type: none"> 1. Students would diagnose , plan and execute challenging clinical cases requiring comprehensive management strategies using contemporary materials and techniques in the specialty of conservative dentistry and endodontic. 2. Should have an updated knowledge on the recent advancements and be able to modify their treatment accordingly. 3. Students would be able to apply high moral and ethical standards while carrying on human or animal research.




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MDS in ORTHODONTICS & DENTO-FACIAL ORTHOPAEDICS
PROGRAM CODE:- MUDP-05OD

PROGRAM OUT COMES:-

At the end of the program, post graduates will be able to...

PO1 : Apply the Knowledge of basic medical sciences relevant to the practice of Orthodontics.

PO2 : Diagnose the abnormal growth and development patterns of Dento-facial skeletal and soft tissue structures along with their etiology and pathophysiology.

PO3 : Discuss the dynamic interrelationship and reactions of biological process and mechanical forces acting in and around the stomatognathic system.

PO4 : Demonstrate the in-depth Knowledge of theories and types of tooth movement, methods of controlling the untoward effects and mechanical aspects of Orthodontic tooth movement.

PO5 : Recognize the etiological factors for the development of malocclusion and be able to classify the various types of malocclusions and related disorders affecting the craniofacial region.

PO6 : Display the effective use of appropriate diagnostic aids in Clinical Orthodontics.

PO7 : Employ critical thinking and understanding of the principles of clinical management of various types of moderate to complex Dento-facial disorders requiring Orthodontic treatment.

PO8 : Develop skills for systematic preparation and maintenance of case records in both manual and digital forms.

PO9 : Demonstrate the skills for the diagnosis and develop a treatment plan for all types of malocclusions.

PO10: Demonstrate the application of recent advances in biomaterials, techniques and Technology.

PO11: Design , fabricate Orthodontic appliances and clinically carry out treatment including preventive, interceptive and corrective procedures for all types of malocclusions.

PO12: Display the skills for clinical management of medically compromised patients, adult patients and other cases requiring multi-disciplinary approach.

PO13: Demonstrate the clinical skills required to prevent the relapse of the Orthodontic treatment outcomes.

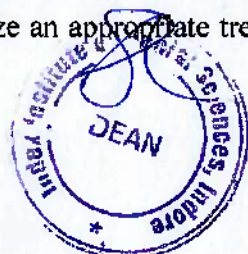
PO14: Demonstrate the ability to critically analyze and comment on structure and components of research papers.

PO15: Plan, organize and conduct both clinical and basic research project with an aim of publishing /present the research outcome in various scientific forums.

PO16: Demonstrate teaching skills and oral presentation skills with the use of Information & Communication Techniques.

PO17: Demonstrate the techniques of disease prevention, public awareness, infection control and provision of health care in the community.

PO18: Identify any newly encountered clinical situation and exhibit the ability to integrate the prior Knowledge to synthesize an appropriate treatment plan for effective management of these novel clinical conditions.




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PO19: Develop skills to practice independently in terms of academic, clinical and research contexts.

PO20: Recognize and respect the patients' rights, moral and ethical responsibilities, medico-legal aspects involved in the Oral health care delivery of the individual patient as well as the population.

PO21: Accept the apprehension and psychological status of the patient and parents and demonstrate the techniques of motivation and instill positive behavior towards the treatment.

PO22: Develop a high degree of credibility, integrity and professional honesty with social concern.

PO23: Develop skills for effective communication with patients, explaining them the various treatment options, the complications involved with different types of Orthodontic procedures and be able to obtain written informed consent for the same.

COURSE OUT COMES:-

PROGRAM NAME	PROGRAM CODE	COURSE CODE	COURSE NAME	COURSE OUTCOME
Orthodontics & dento-facialorthopaedics	MUDP-05OD	MDS-105	Applied Basic Sciences	<p>1. Students should have knowledge of applied anatomy, Physiology, Genetics and Physical anthropology, pathology as pertaining to prenatal and post natal growth of head, bone growth, assessment of growth and development, muscles of mastication, Development of dentition and occlusion, Recent advances in genetics related to malocclusion, Genetic counselling, Bioethics and relationship to Orthodontic management of patients.</p> <p>Under Dental</p>

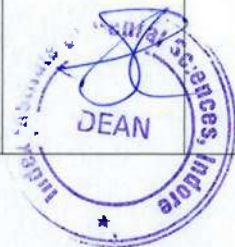


				<p>Materials they should possess knowledge about gypsum products, impression materials, acrylics, composites, banding and bonding cements, wrought metal alloys, orthodontic arch wires, elastics, applied physics, specification and tests methods, of all contemporary and recent advances of above.</p> <p>3. Biostatistics and Applied research methodology in Orthodontics. Knowledge about Experimental design, Animal experimental protocol, Principles in the development, execution and interpretation of methodologies in Orthodontics and Critical Scientific appraisal of literature.</p>
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		MDS-305- I	Basic Orthodontics	<p>1. Orthodontic history 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.</p> <p>2. Concepts of occlusion and esthetics, Etiology and classification of malocclusion, Dental anomalies: 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, a comprehensive review of the local and systemic factors in the causation of Malocclusion and Various classifications of malocclusion, anatomical, physiological and pathological characteristics of major groups of developmental defects of the orofacial structures.</p> <p>3. Diagnostic procedures and treatment planning in orthodontics Under this, the students would have learn about Stages of child development, Theories of psychological development, Management of child in</p>
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				<p>orthodontic treatment, Management of handicapped child, Motivation and Psychological problems related to malocclusion / orthodontics, Adolescent psychology, Behavioral psychology and communication.</p> <p>4. Cephalo metrics: Under this the student would learn about, Instrumentation, Image processing, Tracing and analysis of errors and applications, Radiation hygiene, Advanced Cephalo metrics techniques, Comprehensive review of literature, Video imaging principles and application.</p>
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		MDS-305- II	Clinical Orthodontics	<p>1. Dentofacial Orthopaedics & My functional Appliances : The students will develop acumen to identify, fabricate and deliver treatment regimes using orthopedic appliances to the appropriate cases. Students will be trained in treating complicated cases requiring a multidisciplinary approach in patient management along with Applied preventive aspects in Orthodontics, interceptive orthodontics and Prevention of Relapse.</p> <p>2. Cleft Lip & Palate Rehabilitation 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.</p> <p>3. Orthodontics/ Orthognathic Surgery Students will be thoroughly trained in conjoint diagnosis & treatment planning of cases requiring surgical intervention.</p>
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		MDS- 305- III	Essay	<p>1. Recent Advances: 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.</p> <p>2. Practice management in Orthodontics: 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.</p> <p>3. Child and Adult Psychology 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.</p>
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MDS in PEDODONTICS & PREVENTIVE DENTISTRY
PROGRAM CODE:- MUDP-05PR

PROGRAM OUT COMES:-

PO1 : Develop good oral health in the child and also prepare the child to be a good citizen for tomorrow.

PO2 : Establish a positive attitude and behavior in children.

PO3 : Interpret and practice the principles of prevention and preventive dentistry right from birth to adolescence.

PO4 : Explain and appraise the parents in regards to various treatment modalities including different facets of preventive dentistry.

PO5 : Record and evaluate proper clinical history, examine the child patient, perform the diagnostic procedure, correlate and interpret them to arrive at a reasonable diagnosis and formulate an individualized treatment plan for that particular child.

PO6 : To predict and identify developing malocclusion and design preventive and interceptive measures based on the age of the child.

PO7 : Employ adequate skills to prevent, repair and restore the loss of tooth structure in order to maintain harmony between both the hard and soft tissues of the oral cavity.

PO8 : Identify and initiate treatment in children with special health care needs which are tailored to their individual requirements and conditions.

PO9 : Develop an attitude to adopt ethical principles in all aspects of pediatric dental practice.

PO10: Practice professional honesty and integrity.

PO11: Propose treatment care irrespective of the social status, caste, creed and the religion of the patients.

PO12: Communicate clinical Knowledge and experience with professional colleagues.

PO13: Read, review and apply the newer methods and techniques of pediatric dentistry.

PO14: Respect child patients rights and privileges including their right to information and seek a second opinion.

PO15: Practice the attitude to seek an opinion from allied medical and dental specialties as and when required.



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COURSE OUT COMES:-

PROGRAM NAME	PROGRAM CODE	COURSE CODE	COURSE NAME	COURSE OUTCOME
Pedodontics & Preventive Dentistry	MUDP -05PR	MDS-106	Applied Basic Sciences	<ol style="list-style-type: none"> 1. Student should be able to understand applied Anatomy, genetics, Applied Physiology, Applied Pathology, Nutrition, Dietics, Growth & Development, Cariology and Fluoride. 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. 3. Student should be able to develop an attitude of Counseling in Paediatric Dentistry.
		MDS-306-1	Clinical Pedodontics	<ol style="list-style-type: none"> 1. Student should be competent to do case history recording, treat dental diseases which are occurring in child patient. Student should be able to manage to repair and restore the lost tooth structure to maintain harmony between both hard and soft tissues of the oral cavity. 2. Student should be able to manage the disabled children effectively and efficiently, tailored to the needs of individual requirement and conditions. 3. Student should be able to acquire skills in managing efficiency life threatening condition with emphasis on basic life support measure.



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		MDS-306- II	Preventive and Community Dentistry as applied to Paediatric Dentistry	<ol style="list-style-type: none"> 1. Student should be able to create a good oral health in the child with Installing a positive attitude and behavior in children. 2. Student should be able to understand the principles of prevention and preventive dentistry right from birth to adolescence and should be able to guide and counsel the parents in regards to various treatment modalities including different facets of preventive dentistry. 3. Student should be able to deliver care irrespective of the social status, cast, creed, and religion of the patients.
		MDS-306- III	ESSAY	<ol style="list-style-type: none"> 1. For a given case, the student after a critical assessment should be 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. 2. Student should be able to respect child patient's rights and privileges, including child patient's right to information and right to seek a second opinion. 3. Student should be able to develop an attitude to adopt ethical principles in all aspects of Paediatric dental practice along with professional honesty and integrity.




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