Dayananda Sagar College of Dental Sciences

MDS PROGRAMME OUTCOME

PRINCIPAL
Dayananda Sagar College of Dental Sciences
Kumaraswamy Layout,
Bangalore - 560 078.

DAYANANDA SAGAR COLLEGE OF DENTAL SCIENCES,

Shavige Malleshwara Hills, Kumaraswamy Layout, Bengaluru- 560078

MDS PROGRAMME OUTCOMES (MDS- POs)

Name of the institution	-Dayananda Sagar College of Dental Sciences (DSCDS)
Programme outcome proposed by	-Academic Advisory Council-DSCDS
Programme outcome approved by	-Internal Quality Assurance Cell-DSCDS
Programme approved by	- Dental Council of India (Regulating body)
Affiliated to	- Rajiv Gandhi University of Health Sciences
Date of approval by AAC	- 18-01-2018
Date of approval by IQAC	- 17-02-2021

The postgraduate dental programme leading to MDS Degree is of three Academic years in the dental college and attached hospital. The detailed curriculum of MDS Programme will be followed as per the recommendations from Dental Council of India and Rajiv Gandhi University of Health Sciences with addition of Add-on course modules and value-added programs to enrich the curriculum and make it a student centric and outcome based dental education (OBE).

The post graduate dental students during the programme will acquire adequate knowledge (cognitive), necessary skills (psychomotor) and reasonable attitudes (affective) which are the three domains of learning through integration of the basic sciences, clinical dentistry and practical or laboratory aspects. A special emphasis is given to research methodology and research projects along with manuscript writing for research publications, which is reviewed bi annually. This is required for carrying out all activities appropriate to specialty practice, professional and academic growth, knowledge in dental research and life long learning. The post graduate will understand the concept of evidence based oral health education and be able to participate in the rural and professional health care delivery programmes.

PROGRAMME OBJECTIVE:

The objective is to train a candidate so as to ensure higher competence in both general and special area of interest and prepare him for a career in teaching, research and specialty practice. A candidate must achieve a high degree of clinical proficiency in treating even complex case in the subject matter and develop competence in research and its methodology as related to the field concerned.

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The above objectives are to be achieved by the time the candidate completes the course. The objectives may be considered as under –

1. Knowledge (Cognitive domain)
2. Skills (Psycho motor domain)
3. Human values, ethical practice and communication abilities

PROGRAMME OUTCOMES:

The intended learning outcomes for the MDS programme are as follows:

A) KNOWLEDGE AND UNDERSTANDING: KU

The graduate students should acquire the following outcomes during the period of training.

KU1. Adequate knowledge of basic sciences relevant to specialty.

KU2. Able to Describe etiology, pathophysiology, principles of diagnosis and management of common problems within the specialty in adults and children.

KU3. Recognize conditions that may be outside the area of specialty/competence and to refer them to an appropriate specialist

KU4. Update knowledge by self-study and by attending courses, conferences, seminars relevant to specialty.

B) PSYCHOMOTOR SKILLS: P

P1. Take a proper clinical history, examine the patient, perform essential diagnostic procedures and order relevant tests and interpret them to come to a reasonable diagnosis about the condition.

P2. Acquire adequate skills and competence in performing various procedure required in the specialty.

P3. Students should be able to treat complex cases in their respective specialties.

P4. They should be able to carry out interdisciplinary treatment successfully.

P5. Undertake audit, use information technology and carry out research with in the frame of Institutional review board and Research committee.

C) ATTITUDES AND VALUES: AV

AV1. Identify social, economic, environmental and emotional determinants in a given case and take them into account for planning treatment

AV2. Demonstrate professional honesty, foster integrity and ethics in treatment.

AV3. Respect patient's rights and privileges including patient's right to information and right to seek a second opinion.

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AV4. Develop communication skills, in particular and skill to explain various options available in management and to obtain a true informed consent from the patient

AV5. Able to take up leadership and get the best out of his team in a congenial working atmosphere.

AV6. Apply high moral and ethical standards while carrying out human or animal.

TEACHING METHODS EMPLOYED:

1. Lectures
2. Journal club
3. Seminars
4. Symposium
5. Conferences
6. Workshops
7. Clinical Postings
8. Interdepartmental Meetings
9. Camps and peripheral postings
10. Participation in undergraduate teaching programmes either in the form of micro teaching lectures or group discussions to develop teaching skills
11. Participation in evaluating the skills and knowledge in clinical laboratory practice including theory by formulating question banks and model answers
12. Continuing dental education programmes
13. Problem based learning
14. Rotation and posting in other departments
15. Dissertation

PROGRAMME STRUCTURE:

PROGRAM 1 : PROSTHODONTICS , CROWN AND BRIDGE

MDS PCB 1 : Part-I Paper-I: Applied Basic Sciences: Applied anatomy, embryology, growth and Development Genetics, Immunology, anthropology, Physiology, nutrition and

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Biochemistry, Pathology and Microbiology, virology, applied pharmacology, Research Methodology and bio statistics, Applied Dental anatomy and histology, Oral pathology & oral Microbiology, Adult and geriatric psychology. Applied dental materials.

MDS PCB 2: Part-II Paper-I: Removable Prosthodontics and Implant supported prosthesis(Implantology), Geriatric dentistry and Crania Facial Prosthodontics

MDS PCB 3 : Part-II Paper-II: Fixed Prosthodontics, occlusion, TMJ and esthetics.

MDS PCB 4: Part II Paper-III: Descriptive and analyzing type question

PROGRAM 2 : PERIODONTOLOGY

MDS PER 1 : Part- I Paper-I: Applied Basic Sciences: Applied Anatomy, Physiology, and Biochemistry, Pathology, Microbiology, Pharmacology, Research Methodology and Biostatistics.

MDS PER 2 : Part-II Paper I: Normal Periodontal structure, Etiology and Pathogenesis of Periodontal diseases, epidemiology as related to Periodontics

MDS PER 3 : Paper II: Periodontal diagnosis, therapy and Oral implantology

MDS PER 4 : Paper III: Descriptive and analysing type question

PROGRAM 3 : ORAL & MAXILLOFACIAL SURGERY

MDS OMS 1: Part-I Paper-I : Applied Basic Sciences: Applied Anatomy, Physiology, & Biochemistry, Pathology, Microbiology, Pharmacology, Research Methodology and Biostatistics.

MDS OMS 2: Part- II: Paper-I : Minor Oral Surgery and Trauma

MDS OMS 3: Paper-II : Maxillo-facial Surgery

MDS OMS 4: Paper-III : Descriptive and analysing type question

PROGRAM 4 : CONSERVATIVE DENTISTRY AND ENDODONTICS

MDS CDE 1: Part-I Paper-I : Applied Basic Sciences: Applied Anatomy, Physiology, Pathology including Oral Microbiology, Pharmacology, Biostatistics and Research Methodology and Applied Dental Materials.

MDS CDE 2: Part-II Paper-I : Conservative Dentistry

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MDS CDE 3: Paper-II : Endodontics

MDS CDE 4: Paper-III : Descriptive and analyzing type question

PROGRAM 5 : ORTHODONTICS AND DENTOFACIAL ORTHOPEDICS

MDS ORT 1: Part-I Paper-I: Applied Basic Sciences: Applied anatomy, Physiology, Dental Materials, Genetics, Pathology, Physical Anthropology, Applied Research methodology, Bio-Statistics and Applied Pharmacology.

MDS ORT 2: Part-II Paper-I: Orthodontic history, Concepts of occlusion and esthetics, Child and Adult Psychology, Etiology and classification of malocclusion, Dentofacial Anomalies, Diagnostic procedures and treatment planning in Orthodontics, Practice management in Orthodontic

MDS ORT 3: Paper II: Clinical Orthodontics

MDS ORT 4: Paper III: Descriptive and analyzing type

PROGRAM 7: PUBLIC HEALTH DENTISTRY

MDS PHD 1: Part-I Paper-I: Applied Basic Sciences: Applied Anatomy and Histology, Applied Physiology and Biochemistry, Applied Pathology, Microbiology, Oral Pathology, Physical and Social Anthropology, Applied Pharmacology and Research Methodology and Biostatistics.

MDS PHD 2: Part-II: Paper-I: Public Health Paper-II: Dental Public Health

MDS PHD 3: Paper-III: Descriptive and analyzing type question

MDS PHD 4: Paper III: Descriptive and analyzing type

PROGRAM 9 : ORAL MEDICINE AND RADIOLOGY

MDS OMR 1: Part-I Paper I: Applied Basic Sciences: Applied Anatomy, Physiology, and Biochemistry, Pathology, Microbiology, Pharmacology, Research Methodology and Biostatistics

MDS OMR 2: Part-II: Paper-I: Oral and Maxillofacial Radiology

MDS OMR 3: Paper-II: Oral Medicine, therapeutics and laboratory investigations

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MDS OMR 4: Paper-III: Descriptive and analyzing type question

ASSESSMENT:

Continuous appraisal and regular assessment based on participation of students in various teaching / learning activities

UNIVERSITY SCHEME OF EXAMINATION

M.D.S. Degree examinations in any branch of study shall consist of dissertation, written paper (Theory) Part I at the end of Ist year and Part II at the end of 3 years, Practical/Clinical and Viva voce.

Chairman, Academic Advisory Council	CO-Ordinator, IQAC
Member Secretary, Academic Advisory Council	

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