



**VINAYAKA MISSION'S
RESEARCH FOUNDATION**
(Deemed to be University under section 3 of the UGC Act 1956)



**VINAYAKA MISSION'S
SANKARACHARIYAR
DENTAL COLLEGE**



MDS CURRICULUM PUBLIC HEALTH DENTISTRY



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MDS CURRICULUM PUBLIC HEALTH DENTISTRY

PHOTO

Name

Register No

Academic Year

Contact number



MDS CURRICULUM PUBLIC HEALTH DENTISTRY

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MDS CURRICULUM DEPARTMENT OF PUBLIC HEALTH DENTISTRY GENERAL RULES

- Students must be courteous to the faculty, staff members, all employees of the college, and to the patients in the clinical.
- Students entering the clinics ten minutes late will be counted as absent.
- All students must produce leave letter, for their absence for the clinics.
- Students must present a valid excuse, for his/her absence & in case of illness, a medical certificate as per rules will be required.
- An attendance of 75 % is required for appearing university examination.
- Grades obtained in their periodical works will be considered for the Internal & university examinations.
- General conduct of the student & Patient management will be given due merit.

DEPARTMENT OF PUBLIC HEALTH DENTISTRY

DISCIPLINARY CODE

- Students are expected to be in the clinic 5 minutes prior to the commencement of the clinic with all the required list of instruments.
- Students are expected to present themselves wearing clean apron, Name plate & maintain cleanliness during work.
- Students should possess their own set of instruments & materials required for practical/ clinical work. No borrowing of instruments & materials is allowed.
- All students should finish their clinical work & get the signature on the same day.
- Any damage caused to the dental chairs and other Equipments will be charged on the account of the student concerned.
- Students are not allowed to take patients on their own, unless allotted by the staff in charge.

LOGBOOK

- Every candidate shall maintain a logbook for recording his/her Participation in the training programmes conducted by the department.
- Students are expected to maintain the Log book in good condition. Loss of any of its content may mean for forfeit of credits received.
- The Logbook should be maintained regularly and shall be verified and certified by the Head of the department.
- The certification of satisfactory progress by the Head of the Department and Head of
- The Institution shall be based on checklist given.
- Exercises shall be deemed complete only when the same is checked, signed, countersigned by the staff in charge.
- Students should note that in case they do not complete the exercises and work allotted to them within the period prescribed, their course requirements will be considered unfulfilled

DEPARTMENT OF PUBLIC HEALTH DENTISTRY

OBJECTIVES:

KNOWLEDGE: At the end of 3 years of training the candidate should be able to:

- Applied basic sciences knowledge regarding etiology, diagnosis and management of the prevention, promotion and treatment of all the oral conditions at the individual and community level.
- 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.
- 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.
- Ability to act as a consultant in community Oral Health, teach, guide and take part in research (both basic and clinical), present and publish the outcome at various scientific conferences and journals, both national and international level.

SKILLS:The candidate should be able 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 Health at the individual and community level.
- Plan appropriate Community Oral Health Program, conduct the program and evaluate, at the community level.
- Ability to make use of knowledge of epidemiology to identify causes and plan appropriate preventive and control measures.
- Develop appropriate person power at various levels and their effective utilization.
- Conduct survey and use appropriate methods to impart Oral Health Education.
- Develop ways of helping the community towards easy payment plan, and followed by evaluation for their oral health care needs.
- Develop the planning, implementation, evaluation and administrative skills to carry out successful community Oral Health Programs.

VALUES: The candidate should be able to

- Adopt ethical principles in all aspects of Community Oral Health Activities.
- To apply ethical and moral standards while carrying out epidemiological researches.
- Develop communication skills, in particular to explain the causes and prevention of oraldiseases to the patient.
- Be humble and accept the limitations in his knowledge and skill and to ask for help fromcolleagues when needed and promote teamwork approach.
- Respect patient’s rights and privileges including patient’s right to information and right toseek a second opinion.

COURSE CONTENTS

A. APPLIED BASIC SCIENCES

1) APPLIED ANATOMY AND HISTOLOGY:

a)Applied Anatomy in relation to:

- Development of face
- Bronchial arches
- Muscles of facial expression
- Muscles of mastication
- TMJ
- Salivary gland
- Tongue
- Hard and soft palate
- Infratemporal fossa
- Paranasal air sinuses
- Pharynx and larynx
- Cranial and spinal nerves- with emphasis on trigeminal, facial, glossopharyngeal andhypoglossal nerve
- Osteology of maxilla and mandible
- Blood supply, venous and lymphatic drainage of head and neck
- Lymph nodes of head and neck
- Structure and relations of alveolar process and edentulous mouth
- Genetics-fundamentals

b) Oral Histology:

- Development of dentition, Innervations of dentin and pulp
- Periodontium-development, histology, blood supply, nerve supply and lymphatic drainage
- Oral mucous membrane
- Pulp-periodontal complex

2) APPLIED PHYSIOLOGY AND BIOCHEMISTRY:

- Cell
- Mastication and deglutition
- Food and nutrition
- Metabolism of carbohydrates, proteins and fats
- Vitamins and minerals
- Saliva and Oral health
- Fluid and electrolyte balance
- Pain pathway and mechanism-types, properties
- Blood composition and functions, clotting mechanism and erythropoiesis, Blood groups and transfusions, Pulse and blood pressure,
- Dynamics of blood flow
- Cardiovascular homeostasis-heart sounds
- Respiratory system: Normal physiology and variations in health and diseases, Asphyxia and artificial respiration
- Endocrinology: thyroid, parathyroid, adrenals, pituitary, sex hormones and pregnancy, Endocrine regulation of blood sugar.

3) APPLIED PATHOLOGY:

- Pathogenic mechanism of molecular level
- Cellular changes following injury
- Inflammation and chemical mediators
- edema, thrombosis and embolism
- Hemorrhage and shock
- Neoplasia and metastasis
- Blood disorders
- Histopathology and pathogenesis of dental caries, periodontal disease, oral mucosal lesions, and malignancies
- HIV

- Propagation of dental infection

4) MICROBIOLOGY:

- Microbial flora of oral cavity
- Bacteriology of dental caries and periodontal disease
- Methods of sterilization
- Infection control in dental office / camps
- Virology of HIV, herpes, hepatitis
- Parasitology
- Basic immunology – basic concepts of immune system in human body
 - Cellular and humoral immunity
 - Antigen and antibody system
 - Hypersensitivity
 - Autoimmune diseases

5) ORAL PATHOLOGY:

- Detailed description of diseases affecting the oral mucosa, teeth, supporting tissues and jaws.

6) APPLIED PHARMACOLOGY:

- Definition, scope and relations to other branches of medicine, mode of action, bioassay, standardization, pharmacodynamics, pharmacokinetics.
- Chemotherapy of bacterial infections and viral infections – sulphonamides and antibiotics.
- Local anesthesia
- Analgesics and anti-inflammatory drugs
- Hypnotics, tranquilizers and antipyretics
- Important hormones-ACTH, cortisone, insulin and oral anti-diabetics.
- Drug addiction and tolerance
- Important pharmacological agents in connection with autonomic nervous system-adrenaline, noradrenaline, atropine
- Brief mention of anti-hypertensive drugs
- Emergency drugs in dental practice
- Vitamins and haemopoietic drugs
- Effect of drugs on oral health

7) PHYSICAL AND SOCIAL ANTHROPOLOGY:

Anthropology is a part of Social Sciences, which also constitutes behavioral sciences i.e., Psychology and Sociology. Behavioral Sciences has been mentioned in Public Health.

- Introduction and definition
- Appreciation of the biological basis of health and disease
- Evolution of human race, various studies of different races by anthropological methods

8) RESEARCH METHODOLOGY AND BIOSTATISTICS:

Health Informatics– basic understanding of computers and its components, operating software (Windows), Microsoft office, preparation of teaching materials like slides, project, multimedia knowledge. Operative skills in analyzing the data.

Research Methodology – definitions, types of research, designing written protocol for research, objectivity in methodology, quantification, records and analysis.

Biostatistics – introduction, applications, uses and limitations of bio – statistics in Public Health dentistry, collection of data, presentation of data, measures of central tendency, measures of dispersion, methods of summarizing, parametric and non-parametric tests of significance, correlation and regression, multivariate analysis, sampling and sampling techniques – types, errors, bias, trial and calibration

B) PUBLIC HEALTH

PUBLIC HEALTH

- Definition, concepts and philosophy of dental health
- History of public health in India and at international level
- Terminologies used in public health

HEALTH:

- Definition, concepts and philosophy of health
- Health indicators
- Health determinants
- Community and its characteristics and relation to health

DISEASE:

- Definition, concepts
- Multifactorial causation, natural history, risk factors
- Disease control and eradication, evaluation and causation, infection of

specific diseases

- Vaccines and immunization

GENERAL EPIDEMIOLOGY:

- Definition and aims, general principles
- Multifactorial causation, natural history, risk factors
- Methods in epidemiology, descriptive, analytical, experimental and classic epidemiology of specific diseases, uses of epidemiology
- Duties of epidemiologist
- General idea of method of investigating chronic diseases, mostly non-infectious nature, epidemic, endemic, and pandemic.
- Ethical consideration in any study requirement
- New knowledge regarding ethical subjects
- Screening of diseases and standard procedures used

ENVIRONMENTAL HEALTH:

- Impact of important components of the environment of health
- Principles and methods of identification, evaluation and control of such health hazards
- Pollution of air, water, soil, noise, food
- Water purification, international standards of water
- Domestic and industrial toxins, ionizing radiation
- Occupational hazards
- Waste disposal- various methods and sanitation

PUBLIC HEALTH EDUCATION:

- Definition, aims, principles of health education
- Health education, methods, models, contents, planning health education programs

PUBLIC HEALTH PRACTICE AND ADMINISTRATION SYSTEM IN INDIA.

ETHICS AND JURISPRUDENCE:

- Basic principles of law
- Contract laws- dentist – patient relationships & Legal forms of practice
- Dental malpractice
- Person identification through dentistry
- Legal protection for practicing dentist
- Consumer protection act

NUTRITION IN PUBLIC HEALTH:

- Study of science of nutrition and its application to human problem
- Nutritional surveys and their evaluations
- Influence of nutrition and diet on general health and oral health, dental caries, periodontal disease and oral cancers
- Dietary constituents and carcinogenicity
- Guidelines for nutrition

BEHAVIORAL SCIENCES:

- Definition and introduction
- Sociology: social class, social group, family types, communities and social relationships, culture, its effect on oral health.
- Psychology: definition, development of child psychology, anxiety, fear and phobia, intelligence, learning, motivation, personalities, fear, dentist-patient relationship, modeling and experience

HOSPITAL ADMINISTRATION:

- Departmental maintenance, organizational structures
- Types of practices
- Biomedical waste management

HEALTH CARE DELIVERY SYSTEM:

- International oral health care delivery systems – Review
- Central and state system in general and oral health care delivery system if any
- National and health policy
- National health programs
- Health Planning and Evaluation
- Primary health care – concepts, oral health in PHC and its implications
- National and international health organizations
- Dentists Act 1928, Dental council of India, Ethics, Indian Dental Association
- Role of W.H.O. and Voluntary organizations in Health Care for the Community

ORAL BIOLOGY AND GENETICS:

- A detailed study of cell structure
- Introduction to Genetics, Gene structure, DNA, RNA
- Genetic counseling, gene typing

- Genetic approaches in the study of oral disorders
- Genetic Engineering - Answer to current health problems

DEMOGRAPHY & FAMILY PLANNING:

Demographic trends, family planning methods, milestones in population control in India.

HEALTH ECONOMICS:

Health benefit analysis and Cost effective analysis

C) DENTAL PUBLIC HEALTH:

DENTAL PUBLIC HEALTH:

- History
- Definition and concepts of dental public health
- Differences between clinical and community dentistry
- Critical review of current practice
- Dental problems of specific population groups such as chronically ill, handicapped and institutionalized group

EPIDEMIOLOGY OF ORAL DISEASES AND CONDITIONS:

- Dental caries, gingival, periodontal disease malocclusion, dental Fluorosis, oral cancer, TMJ disorders and other oral health related problems.

ORAL SURVEY PROCEDURES:

- Planning
- Implementation
- WHO basic oral health methods 1997
- Indices for dental diseases and conditions
- Evaluation

DELIVERY OF DENTAL CARE:

- Dental person power – dental auxiliaries
- Dentist – population ratios,
- Public dental care programs
- School dental health programs- Incremental and comprehensive care
- Private practice and group practice
- Oral health policy – National and international policy

PAYMENT FOR DENTAL CARE:

- Prepayment
- Post-payment

- Reimbursement plans
- Voluntary agencies
- Health insurance

EVALUATION OF QUALITY OF DENTAL CARE:

- Problems in public and private oral health care system program
- Evaluation of quality of services, governmental control

PREVENTIVE DENTISTRY:

- Levels of prevention
- Preventive oral health programs screening, health education and motivation
- Prevention of all dental diseases-dental caries, periodontal diseases, oral cancer,malocclusion and Dentofacial anomalies
- Role of dentist in prevention of oral diseases at individual and community level.
- Fluoride
 - History
 - Mechanism of action
 - Metabolism
 - Fluoride toxicity
 - Fluorosis
 - Systemic and topical preparations
 - Advantages and disadvantages of each
 - Update regarding Fluorosis
 - Epidemiological studies
 - Methods of fluoride supplements
 - De-fluoridation techniques
 - Antifluoridation lobby
- Plaque control measures-
 - Health Education
 - Personal oral hygiene
 - Tooth brushing technique
 - Dentifrices, mouth rinses
- Pit and fissure sealant, ART, Preventive resin restoration
- Preventive oral health care for medically compromised individual
- Update on recent preventive modalities
- Caries vaccines

- Dietary counseling

PRACTICE MANAGEMENT:

- Definition
- Principles of management of dental practice and types
- Organization and administration of dental practice
- Ethical and legal issues in dental practice
- Current trends
- Infection control in dental practice

TOBACCO COUNSELING:

- Health Consequences
- Tobacco dependence
- Benefits of intervention
- Tobacco cessation
- Role of dentist

HEALTH MAN POWER PLANNING:

DEPARTMENT OF PUBLIC HEALTH DENTISTRY

DISTRIBUTION OF MARKS

THEORY EXAMINATION		MARKS
PART-I Written Examination shall consist of Basic Sciences of three hours duration and should be conducted at the End of First year of MDS course.		
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.	100
PART-II Written Examination shall consist of three hours duration and should be conducted at the End of Third year of MDS course.		
Paper I	Public Health	100
Paper II	Dental Public Health	100
Paper III	Essays (Descriptive and analysing type question)	100
TOTAL		400

PRACTICAL EXAMINATION	TIME	MARKS
Clinical Examination	1 ½ Hrs	50
Clinical Procedures	1 ½ Hrs	50
Critical Evaluation of Research Article	1 ½ Hrs	50
Problem Solving A Hypothetical Oral Health Situation In A Community	1 ½ Hrs	50
TOTAL		200

NOTE: The topics assigned to the different papers are generally evaluated under those sections. However a strict division of the subject may not be possible and some overlapping of topics is inevitable. Students should be prepared to answer overlapping topics.

DEPARTMENT OF PUBLIC HEALTH DENTISTRY SCHEME OF EXAMINATION

A. THEORY : 400 Marks

(1) Part I University Examination (100 Marks):-

There shall be 10 questions of 10 marks each (Total of 100 Marks)

(2) Part II (3 papers of 100 Marks):-

- (i) **Paper-I:** 2 long essay questions of 25 marks each and 5 short essays of 10marks each. (Total of 100 Marks)
- (ii) **Paper-II:** 2 long essay questions of 25 marks each and 5 short essays of 10marks each. (Total of 100 Marks)
- (iii) **Paper III:** 2 out of 3 essay questions (50 x 2 = 100 Marks)

B. PRACTICAL / CLINICAL EXAMINATION : 200 Marks

- a. Clinical examination of at least 2 patients representing the community – includes history, main complaints, examination and recording of the findings, using indices for the assessment of oral health and presentation of the observation including diagnosis, comprehensive treatment planning. (50 Marks – 1 ½ Hrs)
- b. Performing
 - i. One of the treatment procedures as per treatment plan. (Restorative, surgical, rehabilitation)
 - ii. Preventive oral health care procedure.
 - iii. One of the procedures specified in the curriculum (50 Marks– 1 ½ Hrs)
- c. Critical evaluation of a given research article published in an international journal (50 Marks– 1 Hrs)
- d. Problem solving – a hypothetical oral health situation existing in a community is given with sufficient data. The student as a specialist in community dentistry is expected to suggest practical solutions to the existing oral health situation of the given community. (50 Marks – 1 ½ Hours)

C. VIVA VOCE : 100 Marks

i. VIVA-VOCE EXAMINATION 80 Marks

All examiners will conduct viva-voce conjointly on candidate's comprehension, analytical approach, and expression, interpretation of data and communication skills. It includes all components of course contents. It includes presentation and discussion on dissertation also.

ii. PEDAGOGY EXERCISE 20 Marks

A topic be given to each candidate in the beginning of clinical examination. He/she is asked to make a presentation on the topic for 8-10 minutes.

DEPARTMENT OF PUBLIC HEALTH DENTISTRY RECOMMENDED BOOKS AND JOURNALS

BOOKS

- (1) Dentistry, dental practice and community by Striffler DF
- (2) Primary preventive dentistry by Harris N & Christen AG
- (3) Community dental health by Jong AW
- (4) Principles of dental public health vol I part 1 & 2 vol 2 by Dunning JM
- (5) Dental public health: an introduction to community dentistry by Slack G.L.
- (6) Fluoride in dentistry by Fejerskar Ok & Etal Ed
- (7) Fluorides & dental caries by Tiwari A
- (8) Text book of preventive and social medicine by Mahajan BK & Gupta Mc
- (9) Dental health education by Who Expert Committee
- (10) Metabolism and toxicity of fluoride vol I by Whitford GM.
- (11) Epidemiology bio-statistics and preventive medicine by Jekel JF & Etal
- (12) Introduction to oral preventive medicine: a programme for the first clinical
Experience by Muhlemann HR
- (13) Text book of preventive medicine by Stallard CE
- (14) Handbook of dental jurisprudence and risk management by Pollack BR ED
- (15) Fluorides and human health by World Health Organisation
- (16) Appropriate use of fluorides for human health by Murry JJ ED
- (17) Community health by Green LW
- (18) Prevention of dental diseases by Murry JJ ED
- (19) Color atlas of forensic dentistry by Whittaker DK & DAC Donald DG
- (20) Health research design and methodology by Okolo EN
- (21) Oxford text book of public health vol.3 by Holland WW & Et Al
- (22) Guidelines for drinking water quality vol 1 recommendations by WHO
- (23) Introduction to Bio-statistics by Mahajan B.K.
- (24) Guidelines for drinking water quality vol. 2 health criterial & other supporting
information by WHO
- (25) Dentistry, dental practice and the community by Burt BA & Et Al
- (26) Occupational hazards to dental staff by Scully C
- (27) Forensic dentistry by Cameron JM
- (28) Research methodology: methods & techniques Kothari R
- (29) Law & ethics in dentistry by Shear J & Walters L

- (30) Health research methodology : a guide for training in research methods (western pacific education in action series no.5) by WHO
- (31) Community oral health by Pine CM
- (32) Park's text book of preventive and social medicine by Park K
- (33) Epidemiology, bio-statistics and preventive medicine by Katz DI
- (34) Oral health surveys basic methods by WHO
- (35) Essentials of preventive and community dentistry by Peter S
- (36) Fluorides in caries prevention by Murry JI ED
- (37) Preventive dentistry by Forrest John O
- (38) Fluorine and fluorides: a report by World Health Organisation
- (39) Planning and evaluation of public dental health services: a technical report by World Health Organization
- (40) Prevention methods and programmes for oral diseases: a technical report by World Health Organization
- (41) Community periodontal index of treatment needs development, field-testing and Statically evaluation by World Health Organization
- (42) Planning oral health services by World Health Organization
- (43) Guide to epidemiology and diagnosis of oral mucosal diseases and conditions by World Health Organization
- (44) Community dentistry (PG hand book series vol 8) by Silberman SI & Tryon AF.ED.

JOURNALS

- (1) Journal of Community Dentistry and Oral Epidemiology
- (2) Journal of Public Health Dentistry
- (3) Fluoride Journal of International Society
- (4) Journal of Community Dental Health
- (5) Journal of Fluoride research
- (6) Journal of clinical preventive dentistry

DEPARTMENT OF PUBLIC HEALTH DENTISTRY
I MDS TIME TABLE

DAY	08.30-10.00	10.00-01.00	01.00-01.30	01.30-02.30	02.30-03.30
MON	PG Progress Review	Clinicals	LUNCH	Basic science	Basic science
TUE	Seminars	Clinicals		Basic science	Basic science
WED	Academic Discussion	Case Presentation		Basic science	Basic science
THU	Academic Discussion	Clinicals		Basic science	Basic science
FRI	Journal Club	Clinicals		Basic science	Basic science
SAT	Class Test	Clinicals		Basic science	Basic science

CLINICALS:

Department Clinic, Inter Departmental, Satellite Clinic, Camp posting

ACADEMIC DISCUSSION:

Seminar, Journal Club, Short Study, Survey, Library Dissertation, Dissertation, Scientific Poster

DEPARTMENT OF PUBLIC HEALTH DENTISTRY
II MDS TIME TABLE

DAY	08.30-10.00	10.00-01.00	01.00-01.30	01.30 - 03.30
MON	PG Progress Review	Clinicals	LUNCH	Academic Discussion
TUE	Seminars	Preventive Procedure/Case Presentation		Academic Discussion
WED	Academic Discussion	Clinicals		Academic Discussion
THU	Academic Discussion	Preventive Procedure/Case Presentation		Academic Discussion
FRI	Journal Club	Clinicals		Academic Discussion
SAT	Class Test	Clinicals		Academic Discussion

CLINICALS:

Department Clinic, Preventive Procedure, Inter Departmental, Satellite Clinic, Camp posting

ACADEMIC DISCUSSION:

Seminar, Journal Club, Short Study, Survey, Library Dissertation, Dissertation, Scientific Paper

DEPARTMENT OF PUBLIC HEALTH DENTISTRY
III MDS TIME TABLE

DAY	08.30-10.00	10.00-01.00	01.00-01.30	01.30 - 03.30
MON	PG Progress Review	Clinicals	LUNCH	Academic Discussion
TUE	Seminars	Preventive Procedure/Case Presentation		Academic Discussion
WED	Academic Discussion	Clinicals		Academic Discussion
THU	Academic Discussion	Preventive Procedure/Case Presentation		Academic Discussion
FRI	Journal Club	Clinicals		Academic Discussion
SAT	Class Test	Clinicals		Academic Discussion

CLINICALS:
Department Clinic, Preventive Procedure, Inter Departmental, Satellite Clinic, Camp posting

ACADEMIC DISCUSSION:
Seminar, Journal Club, Survey, Dissertation Submission, Publication

DEPARTMENT OF PUBLIC HEALTH DENTISTRY LIST OF INSTRUMENTS/MATERIALS

INSTRUMENTS	NO
Mouth Mirror	5
Straight Probe	5
Explorer (Shepherd Hook)	5
Williams Periodontal Probe	5
CPITN Probe	5
Tweezer	5
Scaling Hand Instruments	2 SET
Restorative Hand Instruments	2 SET
Micro Motor Hand Piece	1
Micro Motor Hand Piece -Small Head	1
Airrotor Hand Piece	1
Airrotor Burs	
• Straight	1 SET
• Flat End	1 SET
• Round	1 SET
• Tapered Fissure	1 SET
• Inverted Cone	1 SET
• Polishing Burs-Anterior, Posterior	1 SET
Bur Holder	1
Dab & Dish	1
Cement Spatula	1
Agate Spatula	1
Bowl	2
Spatula	1
Plaster Knife	1
Wax Knife	1
Wax Carver	1
Wax Sheet	1
Kidney Trays Small	5
Kidney Trays Big	5
Stainless Steel Trays-Big With Lid	1
Stainless Steel Trays-Small With Lid	2

Cotton Holder	1
Chip Blower	1
Green Cloth	2
Green Cloth Instrument Pouch	5
Cheek Retractor	2
Tooth Brushing Model	1
Torch light	1
Patient Protective Drapes	
Gloves	
Mouth Mask	
Head Cap	
Face Shield	



STRUCTURED TRAINING SCHEDULE

PHD	FIRST YEAR	SECOND YEAR	THIRD YEAR
SEMINARS	5 In Basic Sciences	5 in Public Health and Dental Public Health	5 In recent advances in Dental Public Health and Preventive Dentistry
JOURNAL CLUB	5 Journal Clubs	5 Journal Clubs	10 Critical Evaluation of Scientific Articles
STUDY	2 Library Dissertation	2 Short Term Study	10 Problem Solving
DISSERTATION	Submission of synopsis for Dissertation- within 6 months	Periodic review of Dissertation	Completion and submission of Dissertation
UNDER GRADUATE	Assist and guide the under graduate students in their clinical and field programs	Assist and guide the under graduate students in their clinical and field programs	Assist and guide the under graduate students in their clinical and field programs
PEDAGOGY		2 NO	2 NO
SCIENTIFIC POSTER	2 NO		
SCIENTIFIC PAPER		2 NO	
SCIENTIFIC PUBLICATION			1 Publication in PubMed or Scopus Indexed Scientific Journal
SWAYAM	<ul style="list-style-type: none">• Basic course in Biomedical Research/• Health research fundamentals• Introduction to Systematic Reviews for Dental Health Professionals• Scientific Writing in Health Research		



CLINICAL TRAINING			
PHD	FIRST YEAR	SECOND YEAR	THIRD YEAR
CASE PRESENTATION	4 NO	4 NO	4 NO
SATELLITE CENTER	Postings	Postings	Postings
CLINICAL PREVENTIVE MEASURES (10) CASES		A. Topical Fluoride application <ul style="list-style-type: none"> Sodium Fluoride Stannous Fluoride APF preparations Fluoride varnishes B. Pit and Fissure Sealant	A. Topical Fluoride application <ul style="list-style-type: none"> Sodium Fluoride Stannous Fluoride APF preparations Fluoride varnishes B. Pit and Fissure Sealant
INDICES	Clinical assessment of patient By using various oral indices Each 5 No <ul style="list-style-type: none"> OHI OHI- Simplified DMF DMF (T) DMF (S) def t/s Plaque Index (PI) Gingival Index Community Periodontal Index (CPI) Russels periodontal disease index Dean's Fluorosis Index Tooth Surface Index for Fluorosis Thylstrup and Fejerskov Index WHO Oral Health Assessment Form –1997 WHO Oral Health Assessment Form –2013 	Clinical assessment of patient By using various oral indices Each 5 No <ul style="list-style-type: none"> OHI OHI- Simplified DMF DMF (T) DMF (S) def t/s Plaque Index (PI) Gingival Index Community Periodontal Index (CPI) Russels periodontal disease index Dean's Fluorosis Index Tooth Surface Index for Fluorosis Thylstrup and Fejerskov Index WHO Oral Health Assessment Form –1997 WHO Oral Health Assessment Form –2013 	Clinical assessment of patient By using various oral indices Each 5 No <ul style="list-style-type: none"> OHI OHI- Simplified DMF DMF (T) DMF (S) def t/s Plaque Index (PI) Gingival Index Community Periodontal Index (CPI) Russels periodontal disease index Dean's Fluorosis Index Tooth Surface Index for Fluorosis Thylstrup and Fejerskov Index WHO Oral Health Assessment Form –1997 WHO Oral Health Assessment Form –2013
CLINICAL POSTING	Inter Departmental	Inter Departmental	Inter Departmental
TREATMENT	under comprehensive oral health care Carrying out treatment for 10 patients with records	under comprehensive oral health care Carrying out treatment for 10 patients with records	under comprehensive oral health care Carrying out treatment for 10 patients with records



FIELD PROGRAMME			
PHD	FIRST YEAR	SECOND YEAR	THIRD YEAR
CAMPS	Organizing and carrying out dental camps in both urban and rural areas.		
SCHOOL	Health Education	Health Education	Health Education
SCHOOL PREVENTIVE PROGRAMS	A. Topical Fluoride Application <ul style="list-style-type: none"> Sodium Fluoride Stannous Fluoride APF Preparations Fluoride Varnishes Fluoride Mouth Rinses B. Pit And Fissure Sealant <ul style="list-style-type: none"> Chemically Cured (GIC) Light Cured C. Minimal Invasive Treatment <ul style="list-style-type: none"> Preventive Resin Restorations (PRR) Atraumatic Restorative Treatment (ART) 	A. Topical Fluoride Application <ul style="list-style-type: none"> Sodium Fluoride Stannous Fluoride APF Preparations Fluoride Varnishes Fluoride Mouth Rinses B. Pit And Fissure Sealant <ul style="list-style-type: none"> Chemically Cured (GIC) Light Cured C. Minimal Invasive Treatment <ul style="list-style-type: none"> Preventive Resin Restorations (PRR) Atraumatic Restorative Treatment (ART) 	A. Topical Fluoride Application <ul style="list-style-type: none"> Sodium Fluoride Stannous Fluoride APF Preparations Fluoride Varnishes Fluoride Mouth Rinses B. Pit And Fissure Sealant <ul style="list-style-type: none"> Chemically Cured (GIC) Light Cured C. Minimal Invasive Treatment <ul style="list-style-type: none"> Preventive Resin Restorations (PRR) Atraumatic Restorative Treatment (ART)
SCHOOL DENTAL CARE		<ul style="list-style-type: none"> Incremental dental care Comprehensive dental care 	
VISIT	<ul style="list-style-type: none"> Slum Water Treatment Plant Sewage Treatment Plant Milk Dairy Anti-Tobacco Cell Public Health Institute 		
SURVEY (3)		<ul style="list-style-type: none"> School Children Expectant Mother Handicapped Underprivileged Geriatric Populations 	
HEALTH EDUCATION TRAINING			<ul style="list-style-type: none"> School Teachers Social Workers, Health Workers



**VINAYAKA MISSION'S
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DENTAL COLLEGE**



			<ul style="list-style-type: none">• Health Workers•
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