



MANSAROVAR DENTAL COLLEGE

Mansarovar Campus, Rani Avanti Bai Marg, Village- Hinotia Aalam,
Ward No. 84, Kolar Road, Bhopal (M.P) 462042

Tel: +91-9111777225, 761158888. Website: www.mansarovardentalcollege.com

**1.3.2 Brochure or any other
document related to value-added
courses**



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English Language

ENGLISH VALUE ADDED COURSE



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**MANSAROVAR
DENTAL COLLEGE**



SPEAKER

**MRS. RUPA
AGNIHOTRI**

PROGRAM SCHEDULE

MODULE-I

02 OCT. TO 04 OCT. 2017

MODULE-II

11 OCT. TO 13 OCT. 2017

MODULE-III

05 NOV. TO 07 NOV. 2017

TIME - 3:30- 5:30 PM

VENUE: LT-1



Rupa

Dr. B. Gurudatt Nayak
Principal
Mansarovar Dental College
BHOPAL



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 **MANSAROVAR
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Environmental Science


SPEAKERS
**Dr. Shrivardhan Kalaghathi
& Dr. Vidhatri Tiwari**

PROGRAM SCHEDULE

| | |
|---------------------|-------------------------------|
| Module - I | 24 25 26 OCT. 2017 |
| Module - II | 01 03 04 NOV. 2017 |
| Module - III | 04 05 06 NOV. 2017 |
| Module - IV | 03 04 06 JAN. 2018 |

TIME - 3:30 - 5:30 PM.
VENUE: LT-2

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Bsw

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English Language

ENGLISH VALUE ADDED COURSE



**MANSAROVAR
DENTAL COLLEGE**



SPEAKER

**MRS. RUPA
AGNIHOTRI**

PROGRAM SCHEDULE

MODULE I

01 OCT. 2018 TO 03 OCT. 2018

MODULE II

15 OCT. 2018 TO 17 OCT. 2018

MODULE III

01 NOV. 2018 TO 03 NOV. 2018

TIME - 3:30- 5:30 PM | VENUE- LT-1

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 **MANSAROVAR DENTAL COLLEGE**

Environmental Science


SPEAKERS
Dr. Eshani Saxena & Dr. Prakash Singh

PROGRAM SCHEDULE

| | |
|---------------------|------------------------------|
| Module - I | 12 13 14 NOV. 2018 |
| Module - II | 15 16 17 NOV. 2018 |
| Module - III | 01 02 03 JAN. 2019 |
| Module - IV | 14 15 16 JAN. 2019 |

TIME - 3:30- 5:30 PM
VENUE: LT-2

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Disaster Management

VALUE ADDED COURSE



MANSAROVAR
DENTAL COLLEGE



SPEAKER

K.S. Parihar

PROGRAM SCHEDULE

MODULE I

03 DEC. 2018 TO 05 DEC. 2018

MODULE II

04 FEB. 2019 TO 06 FEB. 2019

MODULE III

14 FEB. 2019 TO 16 FEB. 2019

MODULE IV

07 MAR. 2019 TO 09 MAR. 2019

TIME - 3:30- 5:30 PM | VENUE- LT-2

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English Language

ENGLISH VALUE ADDED COURSE



SPEAKER

**MRS. PREMLATA
VERMA**

TIME - 3:30- 5:30 PM | VENUE- LT-1

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PROGRAM SCHEDULE

MODULE I

14 OCT. 2019 TO
16 OCT. 2019

MODULE I

07 OCT. 2019 TO
09 OCT. 2019

MODULE I

11 NOV. 2019 TO
13 NOV. 2019



Bow

B. Gurudatt Nayak
Principal
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**MANSAROVAR
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SPEAKERS

**Dr. Eshani Saxena
& Dr. Varsha Sharma**

Environmental Science

PROGRAM SCHEDULE

| | |
|---------------------|-------------------------------|
| Module - I | 09 10 11 DEC. 2019 |
| Module - II | 19 20 21 DEC. 2019 |
| Module - III | 09 10 11 JAN. 2020 |
| Module - IV | 20 21 22 JAN. 2020 |

TIME - 3:30 - 5:30 PM
VENUE: LT-2



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Disaster Management

VALUE ADDED COURSE



SPEAKER

K.S. Parihar

PROGRAM SCHEDULE

MODULE I

03 FEB. 2020 TO 05 FEB. 2020

MODULE II

13 FEB. 2020 TO 15 FEB. 2020

MODULE III

24 FEB. 2020 TO 26 FEB. 2020

MODULE IV

02 APR. 2020 TO 04 APR. 2020

TIME - 3:30- 5:30 PM | VENUE- LT-2

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Biomedical Waste MANAGEMENT & INFECTION CONTROL



**MANSAROVAR
DENTAL COLLEGE**



SPEAKERS

**Dr. Eshani Saxena,
Dr. Puneet & Dr. Sandiya**

PROGRAM SCHEDULE

MODULE I

21 NOV. 2019 TO 23 NOV. 2019

MODULE II

25 NOV. 2019 TO 27 NOV. 2019

MODULE III

01 JAN. 2020 TO 03 JAN. 2020

MODULE IV

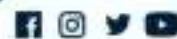
06 JAN. 2020 TO 08 JAN. 2020

MODULE V

03 FEB. 2020 TO 05 FEB. 2020

TIME - 3:30- 5:30 PM | VENUE- LT-2

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English Language

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SPEAKER

**MRS. PREMLATA
VERMA**

PROGRAM
SCHEDULE

MODULE-I

01 OCT. TO 03 OCT. 2020

MODULE-II

05 OCT. TO 07 OCT. 2020

MODULE-III

19 NOV. TO 20 NOV. 2020

TIME - 3:30- 5:30 PM
VENUE: LT-1

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SPEAKERS
Dr. Eshani Saxena
Dr. Prakash Singh
Dr. Varsha Shrama



Environmental Science

PROGRAM SCHEDULE

| | |
|---------------------|-------------------------------------|
| Module - I | 29 30 31 OCT. 2020 |
| Module - II | 02 03 04 NOV. 2020 |
| Module - III | 03 04 05 DEC. 2020 |
| Module - IV | 07 08 09 DEC. 2020 |

TIME - 3:30- 5:30 PM
VENUE: LT-2



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Disaster Management

VALUE ADDED COURSE



SPEAKER

K.S. Parihar

PROGRAM SCHEDULE

MODULE I

14 DEC. 2020 TO 16 DEC. 2020

MODULE II

11 JAN. 2021 TO 13 JAN. 2021

MODULE III

14 JAN. 2021 TO 16 JAN. 2021

MODULE IV

01 FEB. 2021 TO 03 FEB. 2021

TIME - 4:00- 5:00 PM | VENUE- LT-2

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Biomedical Waste MANAGEMENT & INFECTION CONTROL



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SPEAKERS

**Dr. Eshani Saxena,
Dr. Puneet & Dr. Sandiya**

PROGRAM SCHEDULE

MODULE I

03 FEB. 2021 TO 04 FEB. 2021

MODULE II

10 FEB. 2021 TO 11 FEB. 2021

MODULE III

13 APR. 2021 TO 14 APR. 2021

MODULE IV

01 MAY 2021 TO 03 MAY 2021

MODULE V

10 MAY 2021 TO 11 MAY 2021

TIME - 3:30- 5:30 PM | VENUE- LT-2

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Prasad


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**MANSAROVAR
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Sterilization, Sanitation and Vaccination

**PROGRAM
SCHEDULE**

MODULE I
01 JUNE 2021 TO 02 JUNE 2021

MODULE II
07 JUNE 2021 TO 08 JUNE 2021

MODULE III
15 JUNE 2021 TO 16 JUNE 2021

MODULE IV
25 JUNE 2021 TO 26 JUNE 2021

TIME - 3:30- 5:30 PM | VENUE- LT-2

SPEAKERS
Dr. Sapna Singh
Dr. Varsha Sharma

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**MANSAROVAR
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Implant Dentistry

PROGRAM SCHEDULE

MODULE I

02 JULY 2021 TO 03 JULY 2021

MODULE II

15 JULY 2021 TO 16 JULY 2021

MODULE III

06 AUG. 2021 TO 07 AUG. 2021

MODULE IV

13 AUG. 2021 TO 14 AUG. 2021

MODULE V

27 AUG. 2021 TO 28 AUG. 2021

TIME - 3:30- 5:30 PM | VENUE- LT-2



SPEAKERS

Dr. Tripti Rahangdale
Dr. Himanshu Khasu

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SPEAKERS

**Dr. Ramesh Sandilya
Dr. Aniket Chouhan**

PROGRAM SCHEDULE

MODULE I
03 JAN 2022

MODULE II
10 JAN 2022 TO 11 JAN 2022

MODULE III
18 JAN 2022 TO 19 JAN 2022

MODULE IV
02 FEB. 2022 TO 03 FEB. 2022

TIME - 3:30- 5:30 PM | VENUE- LT-2

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**BASIC
LIFE
SUPPORT**



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Value added course VAC-01

Topic – English Language

Duration – 18 Hours

Aim – The aims of this course are-

- To make students aware of the communicative purpose as well as academic enrichment
- To familiarized students with the importance of context in shaping language

Modules – I

It includes Grammar which is the basic competence that takes a big role in the English language. It affects English language proficiency such as speaking, listening, reading, and writing. This module includes all the grammar and syntax parts.

Module II –

It includes :

- Pronunciation – phonetic consonants and vowels with illustration in use
- Listening and comprehension
- Reading skill
- Vocabulary and word formation

Module III –

it includes:

Words and phrases used for conversation – making statements, questions, suggestions, dialogues, public speech etc.

Outcome –

Students will interpret texts with attention to ambiguity, complexity, and aesthetic value. They will also practice a deliberate writing process with emphasis on inquiry, audience, research, and revision.

Students will participate in critical conversations and prepare, organize, and deliver their work to the public.

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Value added course VAC -02

Topic – Environmental Sciences

Duration – 24 Hours

Aim-

- Environmental studies are the study to understand human interaction with the environment.
- Environmental science lets you recognize environmental problems such as climate change, global warming, ozone layer depletion, acid rain, etc.

Module I - Fundamentals of Environmental - Sciences Definition, Principles, and Scope of Environmental Science. Structure and composition of the atmosphere, hydrosphere, lithosphere and biosphere. Composition of air. Particles, ions, and radicals in the atmosphere. Inorganic and organic components of soils. Biogeochemical cycles – nitrogen, carbon, phosphorus, and sulfur. Water as a universal solvent. Concept of DO, BOD, and COD.

Module II - Environmental Biology- Ecosystem Structure and functions: Structures - Biotic and Abiotic components. Types of Ecosystem: Desert (hot and cold), forest, rangeland, wetlands, lotic, lentic, estuarine (mangrove), Oceanic. :

Environmental Geosciences- Origin of earth. Primary geochemical differentiation and formation of core, mantle, crust, atmosphere and hydrosphere. Concept of minerals and rocks. Formation of igneous and metamorphic rocks.


Module III - Energy and Environment - Sun as the source of energy; solar radiation and its spectral characteristics. Fossil fuels: classification, composition, physio-chemical characteristics, and energy content of coal, petroleum, and natural gas. Hydropower

Nuclear energy - fission and fusion, nuclear fuels, Nuclear reactor – principles and types. Bioenergy: methods to produce energy from biomass.

Module IV - Environmental Pollution and Control and Contemporary Environmental Issues-

Air pollution, soil pollution, water pollution, and Thermal, Marine Pollution and Radioactive: Global Environmental Issues – Biodiversity loss, Climate change, Ozone layer depletion. Sea level rise. National missions – National Solar Mission, National Mission for Enhanced Energy Efficiency, etc.

Outcome - Environmental studies focus on the importance of environmental sustainability. The study will lead to a better understanding of our natural environment and we can directly save resource for the next generations


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Value added course VAC-03

Topic – Disaster management

Duration – 24 Hours

Aim- -To provide basic conceptual understanding of disasters.

- To understand approaches of Disaster Management

- To build skills to respond to disaster

Module I - Definition and types of disaster

Hazards and Disasters, Risk and Vulnerability in Disasters, Natural and Man-made disasters, earthquakes, floods drought, landslide, land subsidence, cyclones, volcanoes, tsunami, avalanches, global climate extremes. Man-made disasters: Terrorism, gas and radiations leaks, toxic waste disposal, oil spills, forest fires.

Module II - Study of Important disasters

Earthquakes and its types, magnitude and intensity, seismic zones of India, major fault systems of India plate, flood types and its management, drought types and its management, landside and its managements case studies of disasters.

Module III - Mitigation and Management techniques of Disaster

Basic principles of disasters management, Disaster Management cycle, Disaster management policy, National and State Bodies for Disaster Management, Early Warning Systems, Building design and construction in highly seismic zones, retrofitting of buildings.

Module IV - Training, awareness program, and project on disaster management.

Training and drills for disaster preparedness, Awareness generation program, Usages of GIS and Remote sensing techniques in disaster management.

Outcome –

- Appropriate actions at all points in the cycle lead to greater preparedness, better warnings, reduced vulnerability or the prevention of disasters during the next iteration of the cycle.
- Capacity to obtain, analyze, and communicate information on risks, relief needs and lessons learned from earlier disasters in order to formulate strategies for mitigation in future scenarios with the ability to clearly present and discuss their conclusions and the knowledge and arguments behind them.

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Value added course VAC-04

Topic – Biomedical waste management and infection control

Duration – 24 hrs

Aim- the aim of this course is an endeavor to prepare health care professionals for the implementation of hospital infection control activities in their daily practices to prevent hospital-acquired infection.

Module-I: - Introduction of healthcare-associated infections & infection control program

Introduction, Infection Protection for Healthcare Workers, Education and training of healthcare workers, patients, and families.

Module-II: - Infection transmission & its prevention

Introduction & various routes of transmission of infection, Standard / Universal precautions and its components, The significance of taking standard / Universal precautions, Isolation policies and procedures, Infection Control Manoeuvres to Control Transmission

Module-III: - Sterilization and disinfection:

Physical and chemical methods of sterilization and disinfection, Cleaning & Disinfection of medical equipment, Disinfection of Hepatitis B virus, Hepatitis C virus, HIV or TB contaminated devices.

Module-IV: - Personal protective equipment and standard precautions:

- Introduction, Types & Method of use of personal protective equipment (PPE): Gloves, Gown, mask, apron Protective eyewear (goggles), Boots or shoe cover & Cap or hair cover

Module-V: - Hand hygiene practices

- Introduction
- types of handwashing
- Steps of hand washing
- The role of hand hygiene in control of hospital-acquired

Outcome- Ensure each waste item is collected and treated in accordance with regulations for each type of waste.

- Offers opportunities for recycling.
- Avoid illegal reuse of pharmaceuticals.
- Ensure the safety of healthcare workers, patients, and visitors.

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Value added course VAC-05

Topic – Sterilization Sanitation and Vaccine

Duration – 16 Hours

Aim –

- define terms related to Sterilization and Disinfection
- classify items to be sterilised or disinfected
- discuss different Methods of sterilisation
- describe Evaluation and in Process Monitoring of Sterilization Procedures
- discuss Methods of disinfection and describe the Testing of disinfectants

Module I – Definition and terms

Disinfection, cleaning, decontamination

Classification of materials to be sterilize – critical, semi critical and noncritical

Module II – method of sterilization

Principle, procedure, holding temperature and time, measures to be taken of and mode of infections of Physical method, chemical method and gaseous method.

Infection control – Pre procedural mouth rinse, Hand sterilization, Hand cleansers, and Personal barrier protection:

Module III - sterilization monitoring, steps in the event of disinfection and sterilization failure.

Module IV - Importance of immunization programmes and how vaccines work. the relationship between vaccine coverage, adverse events and disease spread. About the importance of vaccine regulations in ensuring the effectiveness of vaccine initiatives.

Outcome –disinfection and sterilization are two fundamental pillars in the daily practice of dentistry. All dental material must be disinfected and subsequently sterilization in order to prevent the transmission of infectious diseases in dental procedures

This course makes the doctors aware about concepts and maintain a protocol of action, in addition to the protection itself, making use of the appropriate barriers such as gloves, mask, gown and protective glasses.


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Value added course VAC -06

Topic – Implant dentistry

Duration – 20 Hours

Aim –

- Foundation level knowledge in implant dentistry.
- To be able to maintain peri-implant tissue health and implant prostheses.
- Manage simple complications.
- To be able to restore straightforward single tooth cases.

Module I – Interdisciplinary Treatment Planning for Implant

Current Trends in Implant Treatment Planning, Implant Risk Management, Treatment and Prevention, Biomaterials and Biomechanics". Pre-surgical prosthetic planning and work-up sequence of implant candidates. Implant-Restorative Design for Fixed and Removable Prostheses, Step-wise Placement of Dental Implants in Plastic Jaw Fabrication of the provisional prosthesis and providing a template for the final restoration

Module II - A Simplified Technique for Dental Implant

CBCT in Implant Dentistry and Digital Treatment Planning

Guided Implant Placement and Loading Protocols in Implant Dentistry, Aesthetic Integration in Incision Designs and Suturing Techniques.

Review of current implant modalities – systems, configurations, surface treatments and enhancements".

Module III - Extraction Socket Management, Surgical Implant Placement Continuum

Extraction Socket Management, Ridge Alterations after Tooth Extraction, Integrating Technology and Biology in Bone Regeneration, Extraction Socket Preservation Techniques.

Aesthetic Consideration for Implant Restorations, Aesthetic Provisionals and Abutment Selection for Final Restorations, Enhancement of Soft Tissue around Implants in the Aesthetic Zone.

Module IV - Surgical Implant Placement for Implant Retained Mandibular Overdenture

Module V - Implant site development, clinical application for surgical techniques.

Outcome –Upon completion of this course, the students should be able to:

- Select patients for implant surgery and restorations.
- Set treatment plans for implant cases and recognize possible local and systemic risk factors.
- Achieve a satisfactory degree of skill and confidence in standard implant placement.
- Choose the appropriate surgical and restorative approaches.


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Value Added Course VAC-07

Topic- Basic Life Support

Duration- 16 Hours

Aim-

1. To make students be able to recognize life-threatening emergencies, give high-quality chest compressions, deliver appropriate ventilations and provide early use of AED.
2. BLS skills & knowledge give the patients a sense of safety.

Module - I Introduction of Basic life support.

Basic life support is the type of medical care provided by emergency medical team and health care professionals to persons experiencing in hospital.

Basic life support includes.

Recognitions of signs of sudden cardiac arrest (SCA), heart attack, stroke, foreign body airway obstruction (FBAO)

Module - II Why is BLS training important.

Module - III Skills taught under BLS.

BLS covers the following points.


1. Chain of survival.
2. Performing high-quality chest compressions for victims of different ages.
3. The location and use of AED.
4. When and how to perform rescue breathing.

Module - IV CPR Training for adults and infants.

Under the BLS course, students learn the basic cardiopulmonary resuscitation skills to keep cardiac arrest victims alive as they await specialized help.

Outcome

After the course students will have the capacity to recognize health emergencies situation early enough & offer the necessary help to the victims.


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