



## **MGM INSTITUTE OF HEALTH SCIENCES**

(Deemed to be University u/s 3 of UGC Act, 1956)

**Grade 'A' Accredited by NAAC**

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# **Value Added Course**

## **Hospital Infection Prevention and Control**

  
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**Proposal for Value added course from Microbiology (Navi Mumbai)**

**Name of the course:** Hospital Infection Prevention and Control

**Eligibility:** Students in 2<sup>nd</sup> Year MBBS and MSc Microbiology students of 4<sup>th</sup> Sem to 6<sup>th</sup> sem

**Course Description:** The Certificate in Hospital Infection Prevention and Control course is designed to provide knowledge about the impact of Hospital Acquired Infections (HAIs) and the roles of various stakeholders involved in infection prevention and control. The course incorporates best practices recommended by latest guidelines. The topics included in this course talk about how and why infections occur in hospitals, and ways to avoid such infections in the first place. The course also covers the ways of handling biomedical and hazardous wastes and methods of disinfecting the hospital environment.

**AIM:**

This course is an endeavour towards preparation of a group of MBBS students with expertise which is essential for effective implementation of infection control practices across all health care settings. By the infection control certification program, we aim at developing MBBS graduates in this field, equipped with adequate knowledge and skill needed for the maintenance of a safe hospital environment and health care delivery practices.

**Objectives:**

At the end of this course a 2<sup>nd</sup> MBBS student will be able to:

- Identify and Explain health care associated infections (HCAIs) and its contributing factors, costs and impact
- Apply appropriate steps to break the chain of infection and reduce health care associated infections
- Use correct infection prevention and control measures including standard and transmission-based precautions
- Adopt best practices in collecting, labelling, transporting and reporting on specimens for laboratory analysis
- Identify an outbreak and prepare a plan for its management .
- Collect, Interpret and analyse data of various hospital acquired infection indicators.

**Training Package:** This includes printed course materials, lectures by experienced resource faculty and hands on experience during hospital posting and Infection control rounds.

**Duration:** 20 Hours

**Batch:** Not more than 5 candidates per batch

**Selection Criteria:**

- **For MBBS students** - Marks obtained in Microbiology in 1<sup>st</sup> Internal exam of Phase 2 MBBS
- **For MSc Medical Microbiology students:** Marks obtained in 3<sup>rd</sup> Semester exam

**Course Co-ordinator:** Infection Control officer (Dr D Khiste)

**Facilitators:** All teaching faculty of Microbiology Department, Infection Control nurse and CSSD technician

**Fees:** As decided by MGMIHS

**Requirements:** Additional remuneration (Min Rs 500/ Lecture) for conducting classes to the teaching faculty and Rs 200/day to Infection Control Nurse and CSSD technician.

**Course Outline:**

1 <sup>st</sup> Saturday	1:30 to 4:30pm	<ul style="list-style-type: none"> <li>• Hospital posting along with Infection control Nurse</li> </ul>
1 <sup>st</sup> Sunday	10:00 to 11:00am 11:00 to 12:00pm	<ul style="list-style-type: none"> <li>• Lecture on Common Hospital acquired infections (Online)</li> <li>• Lecture on Universal safety Precautions (Online)</li> </ul>
2 <sup>nd</sup> Saturday	1:30 to 4:30pm	<ul style="list-style-type: none"> <li>• Hospital posting along with Infection control Nurse</li> </ul>
2 <sup>nd</sup> Sunday	10:00 to 11:00am 11:00 to 12:00pm	<ul style="list-style-type: none"> <li>• Lecture on Sterilisation (Online)</li> <li>• Lecture on Disinfection (Online)</li> </ul>
3 <sup>rd</sup> Saturday	1:30 to 4:30pm	<ul style="list-style-type: none"> <li>• Hospital posting along with Infection control Nurse</li> </ul>
3 <sup>rd</sup> Sunday	10:00 to 11:00am 11:00 to 12:00pm	<ul style="list-style-type: none"> <li>• Lecture on Biomedical waste disposal (Online)</li> <li>• Lecture on Role of Infection control Nurse in prevention of VAP &amp; CAUTI (Online)</li> </ul>
4 <sup>th</sup> Saturday	1:30 to 4:30pm	<ul style="list-style-type: none"> <li>• CSSD Visit along with Infection control Nurse</li> </ul>
4 <sup>th</sup> Sunday	10:00 to 11:00am 11:00 to 12:00pm	<ul style="list-style-type: none"> <li>• Lecture on Role of Infection Control Nurse in prevention of CLABSI and MRSA outbreak (Online)</li> <li>• Lecture on Needle Prick injuries and PEP (Online)</li> </ul>
5 <sup>th</sup> Saturday	1:30-2:30pm	<ul style="list-style-type: none"> <li>• Course Ending Exam</li> </ul>

**Assessment:**

- Theory Examination of 30 Marks will be conducted at the end of the course.
- To be declared successful the candidate will need to score minimum of 50% marks in the above examination.
- For unsuccessful candidates a repeat examination will be conducted after 1 week.
- A certificate of completion will be handed to successful participants by MGMIHS at the end of the course.