



YENEPOYA

(DEEMED TO BE UNIVERSITY)

Recognized under Sec 3(A) of the UGC Act 1956

Accredited by NAAC with 'A' Grade

YENEPOYA MEDICAL COLLEGE

PROGRAM , PROGRAM SPECIFIC & COURSE OUTCOMES

POSTGRADUATE PROGRAM

MSC MEDICAL MICROBIOLOGY

ATTESTED

Dr. Gangadhara Somayaji K S
Registrar
Yenepoya (Deemed to be University)
University Road, Deralakatte
Mangalore 575 018, Karnataka.

PROGRAM OUTCOMES
POSTGRADUATE PROGRAM
MSC MEDICAL MICROBIOLOGY

(K=Knowledge, S=Skill, A=Attitude)

Name of PO	Description
PO 1	To demonstrate the competence as a medical microbiologist.(K,S)
PO 2	To interact effectively with the allied departments by rendering services in basic as well as diagnostic laboratory investigations. (K,S)
PO 3	To demonstrate application of microbiology to solve diagnostic and therapeutic problems along with preventive measures and safety practices. (K,S)
PO 4	To understand their role in hospital infection control, including formulation of antibiotic policy and management of biomedical waste.(K,S)
PO 5	To acquire skills in conducting collaborative research in the field of Microbiology and basic sciences. (K,S)
PO 6	To demonstrate effective communication skills required for the practice of Medical Microbiology and while teaching the undergraduate students. (K,S,A)
PO 7	To establish good microbiological services in a hospital and in the community in the microbiological fields such as Bacteriology, Virology, Parasitology, Mycology and Immunology. (K,S,A)
PO 8	To plan, execute and evaluate teaching assignments & Research work in Medical Microbiology. (K,S)
PO 9	To acquire various skills for collaborative research.(S,A)
PO 10	To participate in various workshops/seminars/journal clubs/demonstration in the allied departments. (S, A)
PO 11	To uphold the prestige of the discipline amongst health care professionals (S,A)

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COURSE OUTCOMES
POSTGRADUATE PROGRAM
MSC MEDICAL MICROBIOLOGY

Name of CO	Description
CO 1	Understanding of role of microbial etiological agents in health and infection.
CO 2	Understanding of the immunological mechanisms in health and infection.
CO 3	Ability to correlate the natural history, mechanisms and pathogenic manifestations of infectious diseases and to understand properties of antimicrobial agents.
CO 4	Knowledge of the principles and application of effective infection control practices.
CO 5	Understanding the basis of selection of laboratory diagnostic tests and their interpretation, antimicrobial therapy, control and prevention of infectious diseases.

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PROGRAM SPECIFIC OUTCOMES

POSTGRADUATE PROGRAM

MSC MEDICAL MICROBIOLOGY

Name of PSO	Description
PSO 1	In depth understanding of basic & applied aspects of microbiology
PSO 2	Develop inclination towards the professional goals
PSO 3	Familiarize with latest & advanced tools & techniques of microbiology
PSO 4	Analysis of scientific issues across the spectrum of related disciplines
PSO 5	Capacity to develop ,employ & integrate technical & professional skills as a member of team
PSO 6	To independently be able to formulate research projects in microbiology
PSO 7	Capability to contribute acquired knowledge leading to find a suitable solutions for an existing problem
PSO 8	Uphold the responsibility as a global citizen maintaining professional & ethical values
PSO 9	Understand microbiology as a social endeavor in context to bringing about harmony with nature
PSO 10	Ability to upgrade knowledge independently & act upon means for improvement for lifelong learning

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