

# DEPARTMENT OF MICROBIOLOGY

## Programme Outcomes

The primary objective of the department is to impart quality education in the subject of Microbiology as a basic science and its applied branches to the students from rural Telangana

To facilitate Higher education & research in Microbiology

To provide quality education offering skill based programs and motivate the students for self employment in applied branches of microbiology

To inculcate the value based education and entrepreneurial skills among the students.

To Inculcate the spirit of resource conservation and love for nature.

To conduct field studies and different projects of local and global interests.

To provides opportunities for professional and personal development through curricular and co- curricular activities.

Provide consultancy and organize extension activities.

## Programme Specific Outcomes:

1. The specific learning goals for General microbiology are to provide students with a working knowledge of fundamental principles in microbiology that will specific biological subjects.
2. As General microbiology is a basic course, students will become familiar with Bacteria and viral classification and diagnostic characteristics as well as developing an understanding of and ability to apply basic microbiological principles.
3. The laboratory and lecture sections of the course are highly integrated and directed toward teaching students about different micro organisms and how they are useful for environmental science and we can observe the diseases caused by no. Of microorganisms.

## *Course outcomes:*

<i>S.No</i>	<i>Semester</i>	<i>Course</i>	<i>Credits</i>	<i>Course Outcomes</i>
<b>SEMESTER-1</b>	<i>General Microbiology</i>	<i>MBZC</i>	<i>4</i>	Students can understand the concept of microbiology and different types of microorganisms in our surroundings.
SEMESTER-2	Microbial Diversity	<i>MBZC</i>	<i>4</i>	In this semester pupil will get idea about different types microorganisms in their classification level. They can understand simple form to complex form of organisms.
SEMESTER-3	Food and environmental Microbiology	<i>MBZC</i>	<i>4</i>	They get awareness about food processing units . Making different types of food products by using industrial important microorganisms.
SEMESTER-4	Molecular biology and Microbial genetics	<i>MBZC</i>	<i>4</i>	<i>In This course</i> students will get knowledge about different types of genes in their molecular level. They will learn about inheritance and types of RNA and types of DNA. Linkage inheritance.
SEMESTER-5	Molecular biology and Microbi	<i>MBZC</i>	<i>4</i>	<i>It</i> gives much importance about industrial important microorganisms.strain improve. Production of organic acids enzymes. Vitamines. Vaccines.

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SEMISTER_6	Industri al Microb iology	4		
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