

**a. Program Outcomes:**

1. This course is based on competitive development of students in learning interdisciplinary subjects such as Biochemistry, Quantitative Biology, Genetics, Microbiology, Biostatistics, Bioinformatics with computer orientation and Biophysical techniques.
2. The program intends students to read, understand original publications and envisage significant inputs in laboratory work, communication skill, creativity, planning, execution and critical evaluation of the studies undertaken.
3. Students will gain knowledge about classification and identification of microorganisms with different molecular techniques in detail at the molecular level.
4. Students are able to well verse about various aspects of microbial ecology, immunology, fermentation technology, bioinformatics and medical microbiology.
5. Student will be able to execute knowledge for the development of business strategies in the field of pharmaceuticals.

**b. Program Specific Outcomes:**

1) M. Sc. Microbiology

1. Produce workforce having applied knowledge of microbial taxonomy, fermentation technology, ecology, medical microbiology, immunology and bioinformatics.
2. Develop confident manpower that will be capable to work in various fields such as academics, research institutes, pharmaceutical industries and various government bodies.
3. Prepare students for various eligibility examinations such as GATE, NET, SET, ICMR, ICAR, BET and competitive examinations.

2) M. Sc. Pharmaceutical Microbiology

1. Produce skilled manpower required for various pharmaceutical industries, as well as academic and research institutes.
2. Students can make their future as a good entrepreneur in different areas of applied life sciences and health sectors.

Improve confidence level of students for the preparation of various eligibility (GATE, NET, SET, ICMR, ICAR, BET) and competitive examinations.