

MSc BIOTECHNOLOGY

Programme Outcome

PO1: Graduates will be equipped with the necessary knowledge and technical skills to design, perform experiments, analyze and interpret data for investigating complex problems in biotechnology and related fields.

PO2: Graduates will be able to apply biotechnological solutions on environment and societal context keeping in view the need for sustainable solution necessary for building a stronger nation.

PO3: Graduates will be able to justify and solve societal health, safety and legal issues and work to improve the quality of life for those suffering from health-related diseases and disorders through biotechnological interventions..

PO4: Graduates will have knowledge and understanding of related norms and ethics in Biotechnology and intellectual property rights.

PO5: Graduates will be able to undertake responsibility either as an individual or as a team member within the interdisciplinary framework of biotechnology and related fields.

Program Specific Outcome

PSO1: Understand the basic concepts of biochemistry, cell biology and Genetics, Biophysics and Bioinformatics, Instrumentation and Biostatistics.

PSO2: Theoretical knowledge in allied subjects such as microbiology, immunology, molecular biology, metabolism and enzymology are also imparted.

PSO3: Understand various applications of biotechnology such as bioprocess technology, recombinant DNA technology, Plant and animal Biotechnology, Environmental biotechnology etc.

PSO4: Practical knowledge with hands on experience in various areas such as biochemistry, microbiology, immunology, enzymology, tissue culture and molecular biology techniques