Program outcomes for M.Sc. Biotechnology for 2023-2024

PO1 Gain and apply fundamental practical and theoretical knowledge of all the disciplines in life sciences with emphasis on Biotechnology.
PO2 Earn a Master's Degree with specialization in Biotechnology.
PO3 Post graduates will be able to understand the need and impact of Biotechnological solutions on environment and societal context keeping in view need for sustainable solution.
PO4 Post graduates will be able to demonstrate scientific methodology and industrial management when dealing with pharmaceutical industries in Biotechnology.
PO5 To give an insight in developing skills and knowledge in changing Biotechnological environment globally.

Subject Offered	Course Outcome paper wise for M.Sc. -II Biotechnology Sem III
DSC21MBT31 Advances in Gene Technology	At the end of this course students will be able to: CO 1. Understand the concept of gene cloning CO2. Demonstrate the technique of Hybridization CO 3. Perceive Knowledge about sequencing Technology CO 4. Illustrate the importance of cloning in genetic engineering
DSC21MBT32 Bioprocess Engineering	At the end of this course students will be able to: CO1. To educate students about the fundamental concepts of bioprocess technology and its related applications CO2. To prepare them to meet the challenges of the new and emerging areas of biotechnology industry CO 3. To enable the students to outline production economics. CO 4. To gather knowledge of separation and purification of product.
DSE21MBT31 Plant Biotechnology	At the end of this course students will be able to: CO 1. To study host pathogen relation. CO2. To understand the downstream processing of secondary metabolite. CO 3. To know the importance of gene transfer method. CO 4. To know the concept of Plant Tissue Culture.
DSE21MBT32 Developmental Biology	At the end of this course students will be able to: CO1. Understand the mechanisms animal embryos employed to generate pattern CO2. Understand the physical and biological basis for pattern and complexity CO 3. Identify common developmental mechanisms across different animals. CO 4. Extrapolate to generate hypotheses on how an unknown tissue may develop.
DSC21MBT39 Biotechnology Lab-III	At the end of this course students will be able to: CO1. To learn the blotting techniques CO2. To outline the industrial fermentation process CO3. To Know the concept of commercial Plant Tissue Culture CO 4.
RPR21MBT31 Research Project	At the end of this course students will be able to: CO 1. To know the importance of research. CO2. To be able to create a review article. CO 3. To analyze a research problems. CO 4. To find solution for the problem through research