

**The MSc programs in the School of Biosciences are designed to achieve the program outcome of developing competent personnel in applied branches of life sciences with good academic standards, skill, technical knowhow, research aptitude, scientific ethics and societal consciousness.**

**On completion of the MSc Biotechnology program, the student will achieve the following Program Specific Outcomes**

**PSO1. Develop good academic standard through deep theoretical knowledge and practical competence in the physiological, cellular, and biochemical functions and organization of biological systems at molecular and functional level.**

**PSO2. Acquire good skill in instrumentation, techniques, analysis of biomolecules and its fate for understanding the biological systems/ processes.**

**PSO3. Execute the gathered technical knowhow to carry out cell based cloning, PCR cloning, production of metabolites from Plant/animal/microbial cells, bioinformatics, designing of green technologies for environmental management for sustainable development , animal and plant cell culture.**

**PSO4. Nurture excellent research aptitude enabling to design, execute, analyse a research problem with statistical tools and bring a meaningful scientific conclusion maintaining scientific ethics.**

**PSO5. Attain the ability to communicate / present effectively a chosen subject/research problem in writing and verbally with societal consciousness**

