

PSO

B.Sc. Biotechnology

1. Students will be able to design, perform experiments, analyze and interpret data for investigating complex problems in the area of biotechnology
2. Graduates will be able to decide and apply appropriate tools and techniques in biotechnological manipulation.
3. Graduates will be able to justify societal, health, safety and legal issues and understand his responsibilities in biotechnological engineering practices.
4. Students can go for master degree also.

COURSE OUTCOMES

Biochemistry To provide the insights of the building blocks of living cells that ultimately form the organisms.

This course is to provide and exposure of the mechanisms of the tools and techniques used for Biological research and enzymes activities

Immunology This is to provide the mechanisms of immunity and the role of various immune cells in normal maintenance of immunity and alterations that cause different disorders.

Genetics This course deals with the concepts of inheritance and its relation with generic defects and genetic counseling

Computer applications, bioinformatics and Biostatistics To meet the challenges of advance biological research problems, various computer based tools and basics of biostatistics are required and this course addresses all those criteria.

Cell & Developmental Biology This provides detailed understanding of various processes including cell division, signal transduction pathways and regulation of overall structure and function of the cells. It also focuses on the developmental processes at molecular level in model organisms.

Programming in C/C++ Design, implement, test, debug, and document programs in C and C++ programming language.

biological databases and relevant bioinformatics software tools. Understand some of the challenges when trying to apply this knowledge to the analysis of real datasets