

Department of Biotechnology

UG PROGRAMME -B.Sc. Biotechnology

Knowledge: Core course of Biotechnology to improve their knowledge and understating of the subject.

Skill Development: Practical training in all aspects of biotechnology.

Higher level ability: Technical skills like Plasmid DNA isolation, Isolation of bacteriophage & Phage titration, Preparation of serum, ELISA, Western blotting, Agarose Gel Electrophoresis, PCR develop higher level ability.

Progression to higher studies: Indepth knowledge on Cell biology, Genetics, Biochemistry, Microbiology, Molecular biology, Immunology, Animal Biotechnology, rDNA technology, Plant biotechnology learned three years equip students to go for higher studies.

Entrepreneurship and Employment: Knowledge on Isolation of microorganisms, Staining techniques, Biochemical tests, Analysis of food samples, Isolation of microorganism, Detection of Coliform bacteria, Preparation of plant tissue culture media, Micropropagation helps to develop in to Entrepreneur & get gainful employment.

PG PROGRAMME -M.Sc. Biotechnology

Knowledge: Core course of biotechnology like Biochemistry, Molecular biology, rDNA technology helps to improve the basic knowledge.

Skill Development: Project and practical training in various fields of biotechnology.

Higher level ability: Technical skills like SDS PAGE, PCR, Cloning, Transformation, Micropropagation develop higher level ability .

Progression to higher studies: Indepth knowledge on Animal biotechnology, Molecular biology, Biochemistry, rDNA technology, Microbial biotechnology equip the students to go for higher studies.

Entrepreneurship and Employment: Ability to design experiment during research project, Opportunities in learning bee keeping , Mushroom cultivation helps in becoming entrepreneur.

PRE DOCTORIAL -M.Phil. Biotechnology

Knowledge: Core courses like research methodology, advanced biotechnology helps indepth knowledge in research and recent advances of biotechnology.

Higher level ability: Designing a research work for a period of 6 months provokes the students to do Ph.D. in various fields of biotechnology.