

BIOTECHNOLOGY DEPARTMENT

VISION OF THE DEPARTMENT:

The vision of the Biotechnology Department is to generate intellectual workforce to work in the research and development of agriculture, pharmaceuticals, microbiology, biochemistry, biotechnology, bio-informatics and other areas for the benefit of mankind.

MISSION OF THE DEPARTMENT:

- To run biotechnology based programs in the college.
- To expose students to latest advancements in the science specially in the area of biotechnology.
- To provide students the skills required to work in research and development centres and industries.
- To provide the students a chance to see the use of biotechnology in daily life by sending them to different hospitals, laboratories and industries for 30-day On Job Training.
- To encourage the students for higher studies.
- To motivate students to participate in activities run by the college, DGHE and University.

PROGRAM OUTCOMES:

- After completion of the program students are able to go for higher studies like M.Sc. Biotechnology, M.Sc. Biochemistry, M.Sc. Microbiology, M.Sc. Food Technology, M.Sc. Botany, M.Sc. Zoology etc.
- The students can also compete for Government jobs like UPSC-civil services, HCS, SSC-CGL etc.
- The students can work as scientist/research assistants at research and development centres and pharmaceutical and agro industries.

COURSE OUTCOMES:

- Understand the need and apply knowledge of Biotechnology to solve problems in the areas of

Medicine, Agriculture, Fermentation technology, Food processing and Environment, and develop entrepreneurial ideas.

- Demonstrate proficiency in basic laboratory skills like preparation of solutions and culture media, handling of equipment, aseptic techniques, micropipetting, maintaining scientific laboratory manuals.
- Perform, and analyze results of experiments using basic laboratory techniques in molecular biology and recombinant DNA technology, like agarose and polyacrylamide gel electrophoresis, restriction enzyme digestion, bacterial transformations and PCR, immunology and plant tissue culture.
- Ability to present their project work through written, oral, and visual presentations.
- Exhibit an ability to work independently and collaboratively.
- Get an exposure in current scientific literature, computer programs and web information pertaining to Biotechnology

SHARED PROGRAM:

- B.Sc. Medical (Botany, Zoology, Biotechnology)

TEACHING FACULTY PROFILE:

S.NO.	NAME	DESIGNATION	EDUCATIONAL QUALIFICATION
1	Dr. Poonam	Extension Lecturer	M.Sc. NET Ph.D.
2	Dr. Virender Kumar	Extension Lecturer	M.Sc. NET Ph.D.