Biotechnology is an interdisciplinary science which encompasses areas viz. molecular biology, genetics, biochemistry, microbiology, immunology, virology, plant and animal tissue culture, chemistry and engineering. It is a fast emerging “cutting edge” science with distinctive advantages as it finds applications in practically all aspects of life. The subject offers exciting opportunities in various fields from basic research to industry oriented career.

Keeping in view the expanse and applications of Biotechnology in every field, there is going to be a perpetual demand for resource personnel with Biotechnology specialization. Our undergraduate and post graduate programs are aimed to cater to this ever increasing demand and to groom the students to excel in their future career. The Department has highly qualified and experienced faculty. The Department of Biotechnology has laboratories well equipped with Biochemistry, Molecular Biology, Microbiology, Animal tissue culture and Plant Tissue culture instruments, Departmental library with national and international editions of books, Computer room with free access to internet facility for students.

POST GRADUATE PROGRAMME
The Biotechnology Department has started a two year M.Sc. (Biotechnology) program from the year 2007.

Admission procedure for M.Sc. Biotechnology:

- **Intake capacity**: 24
- **Eligibility**: B.Sc. (Biotechnology) with minimum 55% marks for open category and at least 50% for reserved category students.
- **Selection** will be on the basis of an entrance exam
- **Norms** set up by university/government will be followed for the admission process.

COURSE STRUCTURE:

**SEMESTER I**

**Theory**: Advanced biological chemistry, Molecular biology, Environmental Biotechnology, Cell biology.

**Practical**: Exercises in Advanced biological chemistry, Exercises in Molecular and Cell biology, Exercises in Environmental Biotechnology

**SEMESTER II**

**Theory**: Genetic Engineering, Immunology, Principles of Bacteriology and Virology, Plant Biotechnology

**Practical**: Exercises in Genetic engineering, Exercises in Immunology, Exercises in Plant
Biotechnology, Exercises in Bacteriology and Virology.

**SEMESTER III**

**Theory:** Animal Biotechnology, Bioprocess engineering & Fermentation Technology, Data Base Management and IPR in Biotechnology, Advanced Genetics, Bioinformatics, Term paper writing.

**Practical:** Exercises in Animal Biotechnology, Exercises in Bioprocess Engineering, Exercises in Bioinformatics, Seminars.

**SEMESTER IV**

**Theory:** Genomics and Proteomics, Biochemical and biophysical techniques, Stem Cell Technology and Regenerative Medicines

**Practical:** Project, Exercises in Biochemical & Biophysical Techniques

**ADDITIONAL COMPULSORY COURSES**

Introduction to Cyber Security/ Information Security, Human Rights, Skill Development

**CO-CURRICULAR & RESEARCH ACTIVITIES**

The students have the privilege to interact with well acclaimed personalities from academics and industry on regular basis by way of guest lectures. Faculties from overseas institutes such as Cork Institute Ireland, Glasgow Caledonian University, U.K., Umea University Sweden, King’s College, London, Penn State University, US visit regularly to guide the students about potential opportunities outside India. The students pursue their research projects in collaboration with reputed research institutes such as IISER, NCCS, NCL, NIV, Haffkine institute etc. The staff strives to go beyond the prescribed curriculum to introduce the students to the scope the subject offers in various fields and to give them an edge over others in the competitive environment.

**PLACEMENT ACTIVITIES**

The Department has initiated placement activity for students to assist them in finding suitable opportunities in reputed industries. Several industries like Serum Institute of India, Praj Industries, Reliance, Wipro Technologies, Tata Consultancy Services among others have given encouraging response to our efforts. This has resulted in the successful recruitment of students in reputed companies.

**OUR RECRUITERS**

Following is the list of few prestigious companies, which have given placement to our M.Sc. students.

- Crest
- Savvy Biotech
- Accenture Ltd.
- BioEra - Life Sciences Pvt. Ltd.
- Serum Institute of India
- ZocDoc
- Symphony

- Reliance Foundation
- Wipro Technologies
- IT Cube Solutions
- Talentica Healthcare
- Evolvus
- Gennova
- Lupin Pharmaceuticals

**CONTACT**

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