

PROGRAMME B.SC BIOTECHNOLOGY DURATION 3 YEARS INCEPTION YEAR SINCE 2021

HIGHLIGHTS OF THE CURRICULUM

- ◆ The syllabus content is designed to meet the standards set by both national and globally recognized institutions.
- ◆ The curriculum provides a thorough grasp of life sciences and their real-world applications, featuring core courses such as microbiology, cell biology, molecular biology, bioinformatics, cancer biology, genetic engineering, genomics, proteomics, fermentation technology, and statistics for biotechnologists.
- ◆ Practical learning is emphasized through hands-on experiences with diverse laboratory techniques and experimental methods.
- ◆ Students engage in research projects as part of their programs, enabling them to apply theoretical knowledge in practical settings.
- ◆ The program equips students for a range of career paths within and beyond the biotechnology sector.
- ◆ Job-oriented courses and advanced learner programs are also available to cater to specific career goals and interests.

UNIQUE FEATURES OF THE PROGRAMME



The program aims at the dissemination and generation of knowledge in the domain of Biotechnology. Its primary objective is to cultivate accomplished emerging researchers and establish partnerships between Industry and Institute, as well as among different Institutes. This facilitates students in incorporating research and scholarly connections into their academic pursuits.

INFRASTRUCTURE



Advanced laboratories equipped with both indigenous and high-end instruments support fundamental and advanced molecular biology research. Additionally, the facility is equipped with specialized software to conduct computational biology, particularly in the realm of drug discovery targeting significant epidemiological diseases.

EXPERTISE OF THE FACULTIES



The faculty includes members who specialize in a wide range of fields, encompassing plant molecular pharming, animal cell culture, drug discovery, nanotechnology, microbial technology, and food technology.

Student Life

The campus life

- Enhances students' comprehension of the fundamental principles of biotechnology
- Cultivates the skills needed to create biosafe cloning host cells, design novel proteins, and develop innovative diagnostic tools.
- Equips students with the knowledge required for the creation of new products.
- Fosters the ability to engage in virtual analysis for drug discovery.
- Empowers students to initiate startup ventures in various biotechnology sectors.

Higher Studies

- Students have the opportunity to choose higher studies in areas like pharmacology, agricultural biotechnology or bioinformatics.
- Students can pursue higher studies by availing international scholarships like DAAD, Commonwealth Masters scholarships, Fulbright-Nehru Master's Fellowships, GKS from Korea and can obtain national scholarships from IISC, ICAR, GATE, GAT-B, AIIMS Biotechnology Entrance Exam, Tata Institute of Fundamental Research Graduate School Admissions Exam (TIFR), JNU and so on.

Placement opportunities

Placement opportunities facilitated for the students in companies like

Episource

Zifo RND -Research

Episource -Medical Coding/Billing

ICON - Research

Cotiviti - Medical Coding/Billing

Corrohealth - Medical Coding/Billing

Micro Labs - Lab Executive

Thyrocare -Lab Executive

Quintessence - Medical Coding/Billing

Corro health -Medical coding



Industry/Institute offered Internship

Internship opportunities from PSG Institute of Medical Sciences & Research, Bioexplora, VJ Biotech and Orbito Asia Diagnostics are offered to students.

Job Oriented Courses (JOC)

- Job Oriented Courses to gain additional knowledge which will enhance chances of employability are offered for the students.
- In collaboration with NABL accredited food testing lab, a course on Food Safety and Quality control is offered.
- Through Coursera platform, the students have got opportunity to gain knowledge on interdisciplinary courses and get certified.
- Courses like
 - Nanotechnology and sensors
 - Drug discovery
 - Ecology: Ecosystem Dynamics and Conservation
 - Stock valuation with comparable companies analysis
 - Introductory Human physiology
 - Data Analysis
 - Food and Beverages etc are chosen and got certified
- Advanced Learners courses like Forensic biotechnology, Cancer biology, Marine biotechnology, Enzymology are offered to the students which gained extra credits to students.

