

PROGRAMME M.Sc BIOTECHNOLOGY DURATION 2 YEARS INCEPTION YEAR SINCE 2021

HIGHLIGHTS OF THE CURRICULUM

- ◆ The curriculum provides extensive knowledge in the advanced applied life sciences.
- ◆ In-depth coverage spans forensic biotechnology, nano biotechnology, bioinformatics, artificial intelligence, IoT, and stem cell technology.
- ◆ The course design facilitates ease in preparing for competitive exams in life sciences and qualifying for scholarships. The program ensures a rigorous and comprehensive understanding of advanced and applied life sciences.
- ◆ Skill-based courses focus on computational biology and drug discovery, enhancing students' practical expertise.

UNIQUE FEATURES OF THE PROGRAMME



- Integrates cutting-edge research and technology in advanced fields like genomics tools, gene editing, synthetic biology and drug discovery.
- Higher educational opportunities to explore research studies in international institutes.
- Facilitates strong industry collaborations, placement schemes, internships and industrial visits.

INFRASTRUCTURE



Cutting-edge equipment such as PCR thermocyclers, Gel electrophoresis units, UV-Vis Spectrophotometers, HPLCs, and Particle Size analyzers have been installed to provide students with advanced research opportunities, particularly in the fields of plant and animal cell cultures. Additionally, our library houses an extensive array of books, ebooks, journals, e-journals, and electronic resources.

EXPERTISE OF THE FACULTIES



The faculty members are specialized knowledge across a spectrum of fields, encompassing plant molecular pharming, animal cell culture, drug discovery, nano-technology, microbial technology, and food technology.

Key Credits

- Students enjoy diverse opportunities, such as engaging in advanced research roles, assuming leadership positions in biotech firms, and contributing to groundbreaking innovations in areas like healthcare, agriculture, and environmental science.
- Postgraduate students receive coaching classes, led by both in-house faculties and external institutes, aimed at clearing UGC, CSIR, and DBT JRF examinations.
- Guidance is provided to students in applying for external scholarships, including opportunities like DAAD, Commonwealth Scholarships, and the GSK scholarship from Korea, enabling them to pursue higher studies in foreign universities.

Higher studies

- Globally recognized institutions provide specialized programs in fields such as bioinformatics, molecular biology, and bioprocess engineering.
- Postgraduate students have the chance to enroll in doctoral programs through collaborations with esteemed institutes like Binghamton University in New York, Gyeongsang National University in South Korea, the Institute of Plant Genetics of the Polish Academy of Science in Poland, and prestigious institutions such as the University of Oxford, ETH Zurich, and Imperial College London.

Interdisciplinary Courses/ Advanced learner courses

- Interdisciplinary courses like Biostatistics in Life science, molecular diagnostics are offered to students
- Advanced learner courses like Stem cell technology, Microbial & Clinical Genomics for additional credits and knowledge are offered
- Students are given the opportunity to pursue certificate courses from platforms like Coursera, NPTEL and Swayam etc.



Industry/Institute offered Internship

Internship and project opportunities are offered to students from prestigious entities like

- National Institute For Interdisciplinary Science and Technology (NIIST), CSIR, Kerala
- Rajiv Gandhi Centre for Biotechnology - Thiruvananthapuram, Kerala
- DRDO Bharathiar University- Coimbatore
- ICAR- Sugarcane Breeding Institute Coimbatore
- Tamil Nadu Agricultural University, Coimbatore
- SRM Medical College Hospital and Research Institute
- Alchem Diagnostics Pvt Ltd-Coimbatore
- Amma genomics- Chennai.

Placement opportunities

- Students got placed in reputed companies like TCS, BYJUS and Episource.
- Placement opportunities for students in companies like
- Zifo RND -Research
- Episource - Medical Coding/Billing
- ICON - Research
- Cotiviti - Medical Coding/Billing
- Corrohealth - Medical Coding/Billing
- Micro Labs - Lab Executive
- Thyrocare - Lab Executive

