

Road Map (2025-26)

Department of Biotechnology



Knowledge Integration & Academic Strengthening

Core Academic Objective

The department aims for 80% of students to achieve a
CGPA ≥ 7.5 with a 100% pass rate



Out come & Industry-oriented curriculum with relevant personality development programs and ICT-based teaching.



Remedial classes for slow learners, e-resources, library access, and mentorship support.



Research Engagement & Innovation Promotion

Fostering Scientific Inquiry

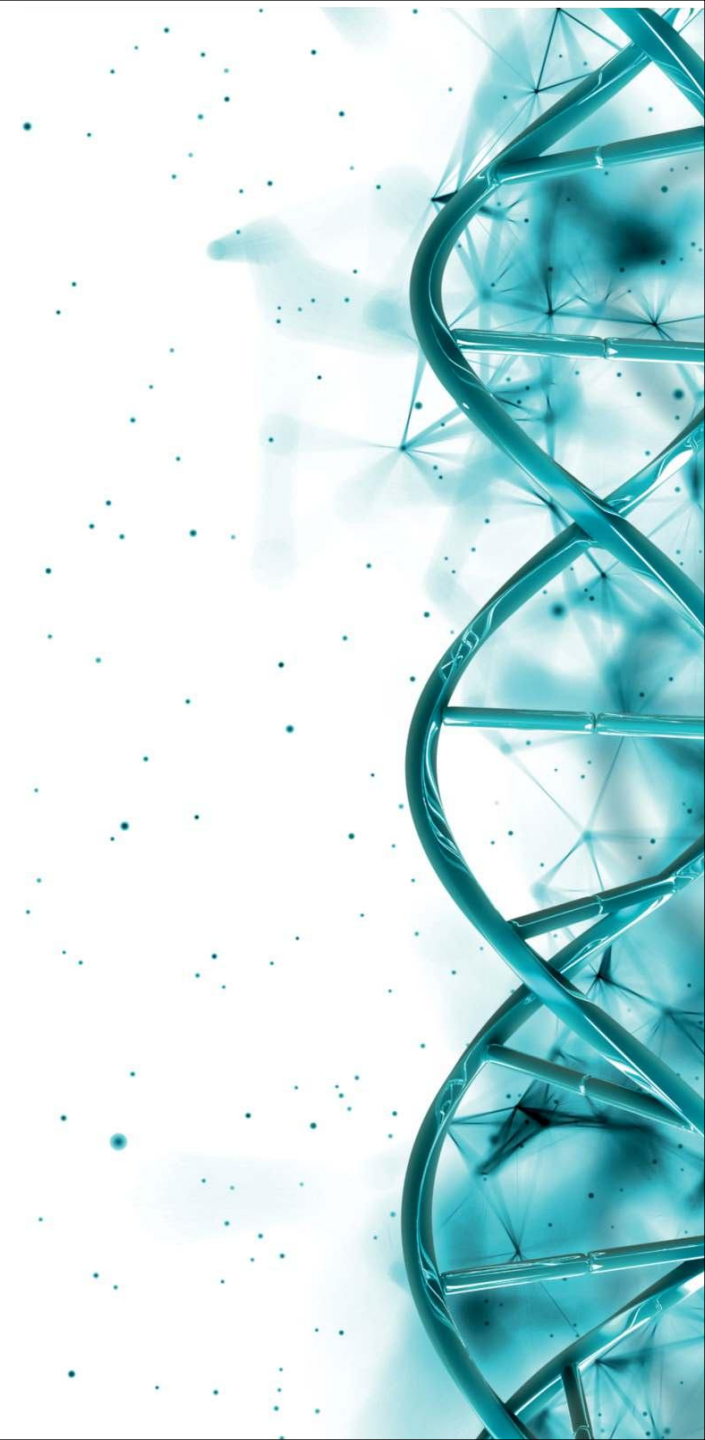
Promotion of scientific inquiry, innovation, and independent research thinking among students



Students engagement in mini and major research projects with faculty guidance & workshops conduction on research methods, scientific writing, and data analysis.



Encourage conferences, paper/poster presentations, and project competitions. Support collaboration with DBT, CSIR, and BIRAC programs.



Technical Proficiency & Laboratory Excellence

Hands-on Technical and Analytical Excellence

Development of strong practical and analytical skills
essential for Biotechnological applications



Provide certified training in molecular biology, fermentation, and downstream processing. Conduct workshops and hands-on sessions with labs and industries.



Integrate modern instruments, analytical tools, and computational biology software. Offer short-term skill-based modules under national initiatives (Skill Vigyan).



Industrial Interface & Professional Exposure

Industrial Exposure & Practical Learning

**Development of strong practical and analytical skills
essential for Biotechnological applications**



Industrial visits to pharmaceutical, food, fermentation, and environmental sectors. Internships and training in industries and R&D centers.



MoUs with industries and research organizations. Industry expert talks and interaction sessions.



Leadership, Ethics & Career Development

Career Success through Ethics & Leadership

Preparing students for professional success through ethical conduct, leadership, and lifelong learning.



Conduct soft skills & communication workshops
Organize career counseling & higher education sessions



Facilitate entrepreneurship & incubation mentoring
Promote teamwork through projects & community outreach

