BITS Pilani
Pilani | Dubai | Goa | Hyderabad

Department of Biological Sciences
M.E - Biotechnology

innovate   achieve   lead

HIGHLIGHTS

- ✓ **Comprehensive coursework** covering all aspects of Biotechnology
- ✓ **Rigorous hands-on Training** in industrially relevant technical skills for all core and elective courses.
- ✓ **Meritorious faculty members**, well-recognized in their respective fields with prestigious fellowships.
- ✓ **Highly advanced laboratories** with high-end state of the art facilities funded by - DST-FIST, DST-PURSE, DBT-BUILDER, DBT, DRDO, ICMR, DST etc.
- ✓ **Opportunity for cutting-edge research** within or outside BITS
- ✓ **Excellent track record of Placement** in Industry as well as Academia

COURSES

- • **Molecular Mechanism of Gene Expression**
- • **Animal Cell Technology**
- • **Environmental Biotechnology & Waste Management**
- • **Advances in Recombinant Technology**
- • **Research Practice**
- • **Advanced Cell and Molecular Biology**
- • **Plant Biotechnology**
- • **Advanced and Applied Microbiology**
- • **Recent Developments in Biology**
- • **Study in Advanced Topics**
- • **Microbial and Fermentation Technology**
- • **Molecular Immunology**
- • **Cancer Biology**
- • **Molecular Parasitology and Vector Biology**
- • **Recent Developments in Biology**
- • **Human Genetics**
- • **Protein and Enzyme Bioengineering**
- • **Advances in Recombinant DNA technology**
- • **Stem Cell and Regenerative Biology**
- • **Bioethics and Biosafety**
- • **Introduction to Biomedical Engineering**
- • **Dissertation**
- • **Practice School**

R&D opportunities and Career Paths

- ✓ **Multiple opportunities to engage in cutting-edge R& D**:
- ❖ **Research Practice**- 1st year, 2nd Semester onward
- ❖ **Study in Advanced Topics** (SAT) / **Research Practice I (RP-I)**- 2nd year, 1st Semester
- ❖ **Thesis** (On-campus or Off-campus)- 2nd year, 2nd Semester

- ✓ **Industrial engagement**– Practice School : 2nd year, 2nd Semester

- ✓ **Career Paths:**

- ❖ **Mentorship to purse Ph.D. programs in well-known academic institutions as well as vertical transfer to PhD program of BITS**
- ❖ **Placement**- Industry as well as Academia

OUR RECRUITERS