



PLACEMENT BROCHURE

DEPARTMENT OF CHEMICAL
ENGINEERING

BIRLA INSTITUTE OF TECHNOLOGY

2024-2025





ABOUT THE DEPARTMENT

The Department of Chemical Engineering, with its highly educated professors, offers a different level of intelligence in a variety of chemical engineering disciplines. The Department was awarded the Gold Trophy for Plasticon Award 2012 around Best Educational Institution Contributing to Plastics, bringing it national prominence.

PROGRAMS OFFERED

UG PROGRAMMES

**B.Tech in Chemical
Engineering**

DOCTRAL PROGRAMMES

**PhD. in Chemical
Engineering
PhD. in Polymer Science &
Engineering/ Material
Science
PhD. in Food Technology**

COURSES OFFERED

B.TECH

- THERMODYNAMICS
- FLUID MECHANICS
- MECHANICAL OPERATIONS
- CHEMICAL PROCESS CALCULATION
- MASS TRANSFER OPERATIONS
- CHEMICAL REACTION ENGINEERING
- HEAT TRANSFER OPERATIONS
- PROCESS TECHNOLOGY AND ECONOMICS
- PROCESS CONTROL AND INSTRUMENTATION
- NUMERICAL METHODS
- Macromolecular Science

M.TECH

- MATERIAL SCIENCE AND ENGINEERING
- NANOTECHNOLOGY
- Computational Fluid Dynamics
- PETROLEUM REFINING AND ENGINEERING
- Polymer Processing Technology
- Membrane separation technology
- Computer Aided Process Engineering
- Process Modeling, Simulation & Optimization

RESEARCH AREAS

- **Self-fitting 4D-Printed Smart Scaffolds with Efficient Bone Regenerative Potential**
- **Algal Biotechnology**
- **Artificial Intelligence in Healthcare**
- **Animal & Plant Tissue Culture**
- **Biofuel Production**
- **Bioinformatics**
- **Bioprocess Engineering**
- **Biosensor & Nano-biotechnology**
- **DownStream Processing**
- **Environmental Biotechnology**
- **Food Biotechnology**
- **Industrial Biotechnology**
- **Medicinal Plant**
- **Microbial Resources**
- **Microbial Biotransformation**
- **Biosignal Analysis**
- **Biomedical Instrumentation**
- **Systems Biology**
- **Electrophysiology**
- **Plant Molecular Biology**





LABORATORIES & FACILITIES

- **UNIVERSAL TESTING MACHINE (INSTRON3366)**
- **DYNAMIC MECHANICAL ANALYZER**
- **ELECTRO SPINNING**
- **ATOMIC ABSORPTION SPECTROMETRY**
- **MICROCOMPOUNDER**
- **GAS CHROMATOGRAPHY**
- **LAMINAR FLOW REACTORSPECTRAL ANALYSER**
- **SPRAY DRIER**
- **CHROMATOGRAPHY SYSTEM**
- **CHEMISORPTION**
- **ULTRAVIOLET**

ACHIVEMENTS

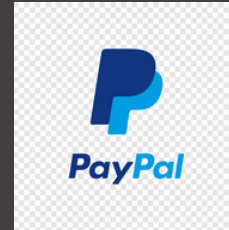
- Naman Utsav (Batch 2019-2023) secured AIR 38 in GATE 2024
- Shashank Shashank (Batch 2019-2023) secured AIR 78 in GATE 2024
- Chandana Kuruganty (B.Tech 2013- 2017) secured AIR 50 in the Civil Services Examination 2023.
- Exceptional students demonstrated their prowess by securing coveted PPI opportunities through their outstanding performance in Dr. Reddy's ASPIRE - The Ultimate Case Study Challenge'23, hosted by Dr. Reddy's Laboratories.
- Top-performing students secured coveted PPI opportunities through their excellence in the ZS Campus Beats Challenge, hosted by ZS Associates, in both 2020 and 2021.
- Students selected for TATA Steel "WOMEN OF METAL" and earned PPIs in 2021.
- Exceptional students received offers from esteemed foreign universities, including Carnegie Mellon University, Ohio State University, and Illinois Institute of Technology.
- Students from the department received research opportunities from - IISC,Bangalore , CSIR , IIT Kanpur , IIT Roorkee , IIT Kharagpur , IIT BHU.

TRAININGS & INTERNSHIPS

- BAIN & COMPANY
- MIEBACH
CONSULTING
- PWC
- ZS ASSOCIATES
- FUTURE FIRST
- TATA
- TECH MAHINDRA
- DR. REDDY'S
LABORATORIES
- VEDANTA LIMITED
- ADITYA BIRLA GROUP
- RELIANCE
INDUSTRIES LTD.
- TATA STEEL
- ITC LIMITED
- JSW STEEL
- MARUTI SUZUKI

- FLIPKART
- AXIS BANK
- WIPRO
- ORACLE
- KANTAR GROUP
- PAYPAL
- JUBILANT
FOODWORKS
- DALMIA CEMENT
- SHREE CEMENT
- M. N. DASTUR &
COMPANY
- MATIX FERTILIZER
AND CHEMICAL
LIMITED
- ADROSONIC
- FASTENAL

OUR RECRUITERS



Let's Get In Touch

CONTACT US



+91651-2275566



placement@bitmesra.ac.in



www.bitmesra.ac.in



Ranchi, Jharkhand, 835215

