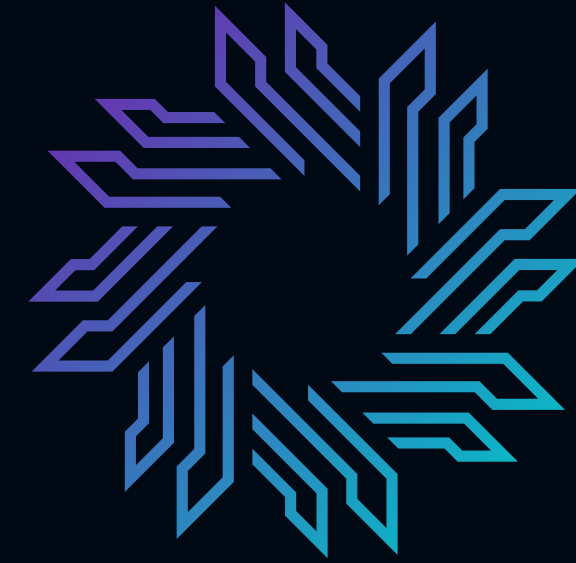


BIRLA INSTITUTE OF TECHNOLOGY

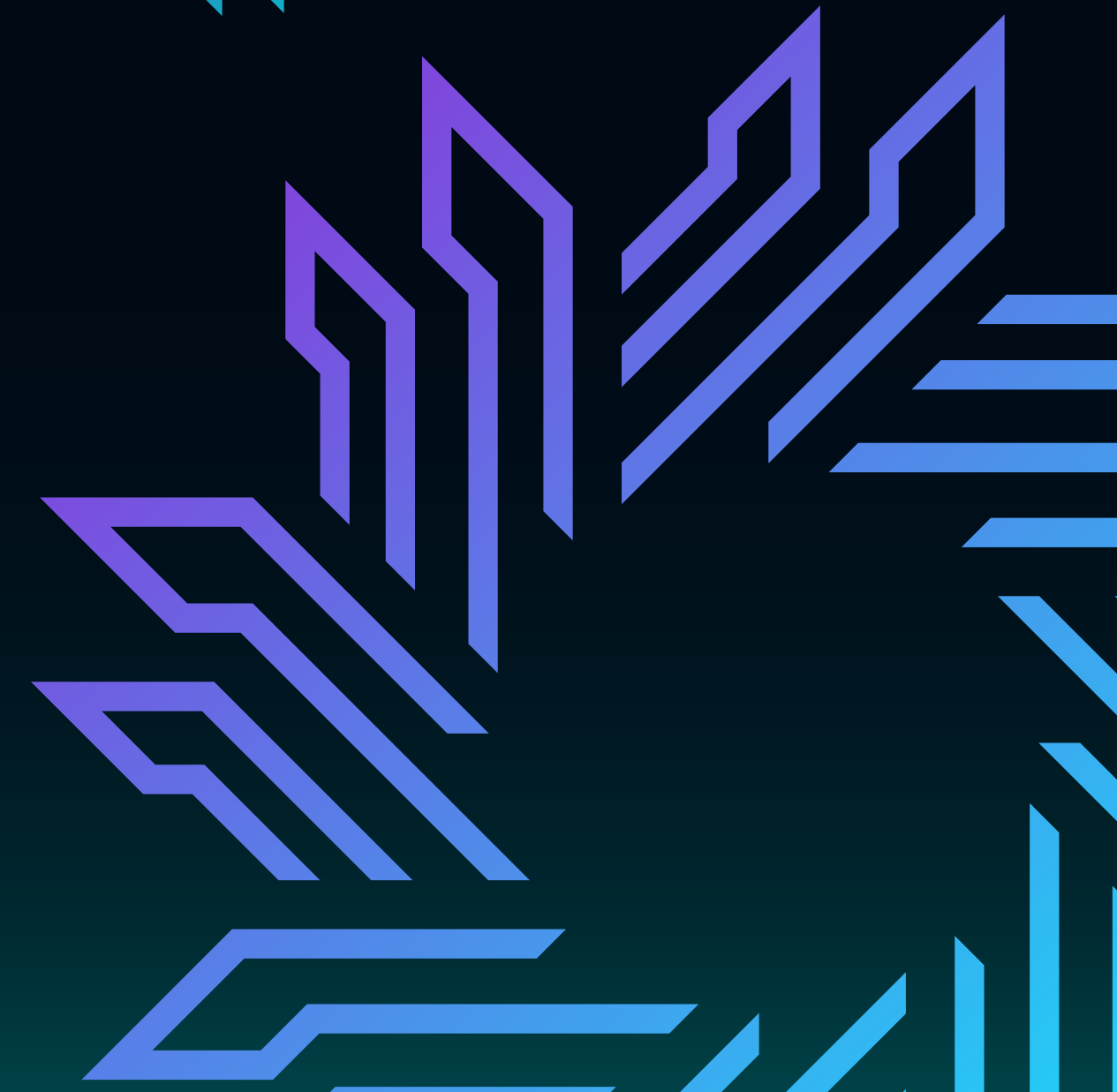
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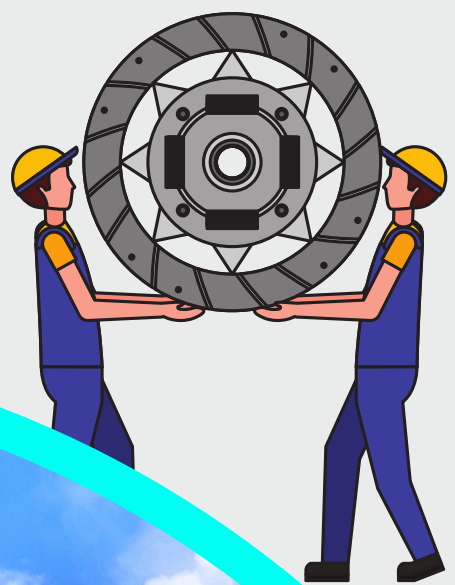
Placement Brochure

CHEMICAL ENGINEERING

Year: 2023–24



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.

Programmes Offered

Undergraduate Programmes

- B.Tech in Chemical Engineering
- B.Tech in Chemical Engineering (Plastics and Polymer)

Doctoral Programmes

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





● Courses Offered ●

Chemical Engineering

- 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
- PETROLEUM REFINING AND ENGINEERING
- NUMERICAL METHODS
- MATERIAL SCIENCE AND ENGINEERING
- CHEMICAL PRINCIPLES FOR CHEMICAL ENGINEERS

Chemical Engineering (P&P)

- CHEMICAL ENGINEERING THERMODYNAMICS
- FLUID MECHANICS
- MECHANICAL OPERATIONS
- CHEMICAL PROCESS CALCULATION
- MASS TRANSFER OPERATIONS
- CHEMICAL REACTION ENGINEERING
- HEAT TRANSFER OPERATIONS
- PROCESS TECHNOLOGY AND ECONOMICS
- PETROLEUM REFINING AND ENGINEERING
- COMPUTER BASED PROCESS ENGINEERING
- PLANT DESIGN
- NUMERICAL METHODS
- POLYMER PROCESSING AND TECHNOLOGY
ELASTOMER TECHNOLOGY

Laboratories and 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

Research Areas

Research Areas

- Mass Transfer
- Heat Transfer
- Mechanical operations
- Reaction Engineering
- Process Control
- Chemical synthesis
- Material Processing
- Computational lab with new edge software like – COMSOL, ASPEN, ANSYS, MAT LAB and others.
- Computational Fluid Dynamics



Process Technology Lab designed by students of BIT Mesra





Achievements












- Students received PPI opportunities by finishing in Top teams in ZS Campus beats challenge held by ZS Associates in 2020 and 2021.
- Students from the department have been shortlisted in KPMG Ideation challenge competition organized on a national level.
- Students from the department have won laurels in many business and technical case competitions organized on a national level.
- Undergraduate students were Winners of “MIND OVER MATTER” competition held by TATA Steel in 2018, 2019 and selected in 2020.
- Students selected for TATA Steel “WOMEN OF METAL” and earned PPIs in 2020, 2021.
- Students from the department received offers from foreign universities – Carnegie Mellon University, Pittsburg, Ohio State University, Illinois Institute of Technology
- Students from the department received research opportunities from – IISc, Bangalore, CSIR, IIT Kanpur, IIT Roorkee, IIT Kharagpur, IIT BHU.

Our Top Recruiters

- Bain & Company **BAIN & COMPANY** 
- Deloitte **Deloitte.**
- Miebach Consulting **miebach** 
the supply chain engineers
- Flipkart **Flipkart** 
- BOX8 **BOX8**
- PwC  **pwc**
- ZS Associates  **ZS**
- Oracle **ORACLE**[®]
- TATA 
- Tech Mahindra **TECH mahindra**
- Volvo Group India 

● Our Top Recruiters

- Reliance Industries Ltd.  Reliance Industries Limited
- Kantar Group 
- Axis Bank 
- BYJU's 
- TATA Steel 
- ITC Limited 
- JSW Steel 
- Oracle 
- EXL Service 
- Dr. Reddy's Laboratories 
- Paypal 



Thank You

Our Contact

☎ : +91651-2275566

🌐 : www.bitmesra.ac.in

📍 : Mesra, Ranchi

✉ : placement@bitmesra.ac.in