

Department of Bioengineering and Biotechnology

The Department was established in 2002 and is playing a leading role in imparting Biotechnology education in the country. It offers B.Tech, M.Sc., M.Tech, and Ph.D. programs recognized by AICTE and UGC. Several research projects sponsored by DST, DBT, UGC, CSIR, ICMR, MoFPI and AICTE are currently running in the Department.

Highlights of Workshop

- Nanofiber synthesis with the electrospinning technique and its characterizations
- Concept of drug carrier
- 3D printing fundamentals and demonstration
- Smart/intelligent nanostructured materials

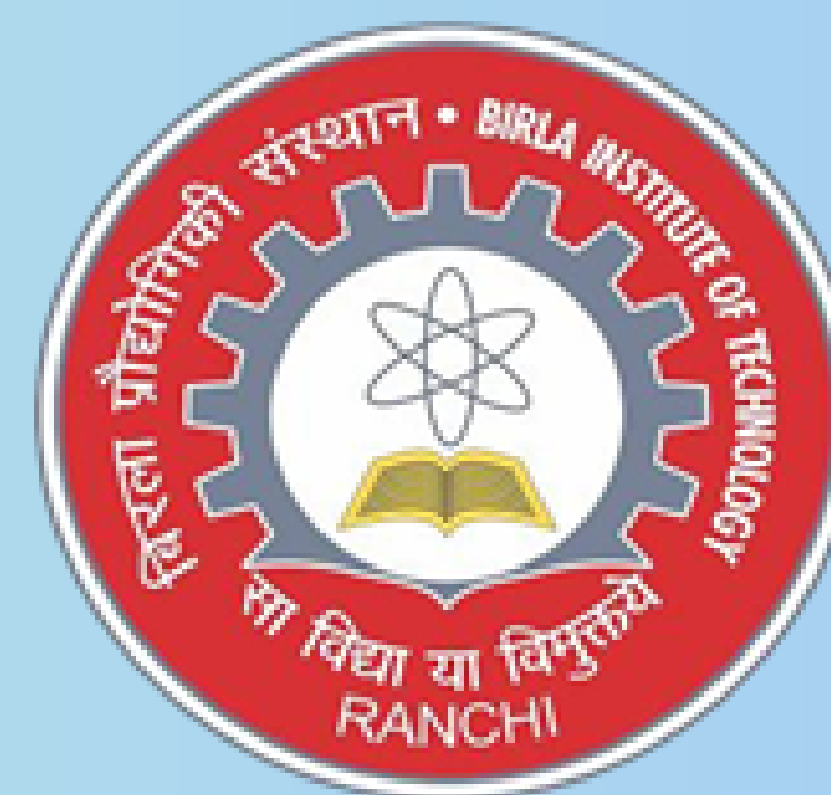
Who May Attend

- Faculty Members/Research Scholars/ PhD Scholars
- Postgraduate Students/ Undergraduate Students
- Persons from Industry working in the above area may also attend the workshop

IHFC-IIT Delhi
sponsored

Hands-On Workshop On Smart Biomaterials: Electrospinning & 3D Printing (SBEP - 2026)

10th – 12th September, 2026



Organized by
Department of Bioengineering and Biotechnology
Birla Institute of Technology
Mesra, Ranchi-835215
Jharkhand, India



Contact:

Dr. Koel Mukherjee
Assistant Professor

Department of Bioengineering and Biotechnology
Birla Institute of Technology, Mesra

koelmukherjee@bitmesra.ac.in (+917739252809)

Sub-themes of Workshop

- Introduction to Nanotechnology
- Nanofiber Fabrication
- Characterization of Nanofibers
- Nanomedicine and Biotechnology
- 3D printing
- Application of Nanotechnology in Energy Storage, Regenerative Medicine, Toxicity study, Wound Healing
- Hands-on Experiments

Travel & Accommodation

- No TA/DA will be provided to the participants
- Please note that accommodation is not provided for this workshop. Participants are kindly requested to make their own lodging arrangements

Note: The Certificates shall be issued to those participants who have attended the program with minimum 80% attendance.

Host Institute

The Birla Institute of Technology (BIT), Mesra, Ranchi was founded by the Philanthropist, Industrialist Mr. B.M. Birla in the year 1955 as part of his lifelong commitment towards building a technologically advanced and industrially strong India. The achievements of the Institute, both in terms of research and excellent standards of academic programmes, led to its attaining the status of a Deemed University under the UGC Act of the Government of India in 1986, and today, it stands as one of the top technical institutes in the country. BIT offers undergraduate, postgraduate, and doctoral-level programmes in all major branches of engineering and technology, architecture, pharmaceutical sciences, and management. The Institute has laterally expanded through the establishment of several extension centres both in India and abroad. In India, BIT has Extension Centres at Noida, Ranchi, Jaipur, Deoghar, and Patna.

Speakers

- Experts from IIT ISM Dhanbad
- NIT
- BIT Mesra

Corresponding Address:
Department of Bioengineering and
Biotechnology,
BIT Mesra (Ranchi)-835215

Registration Fee

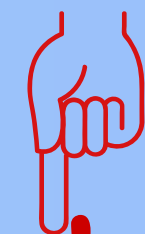
All participants should register on/ before **5th September, 2026**

Research scholars /

Student – Rs 1500

Faculty / Scientists – Rs 2000

Person from Industry – Rs 2500

[Click Here](#) 
Payment & Registration

Venue

The workshop will be conducted at Department of Bioengineering and Biotechnology
Birla Institute of Technology,
Mesra, Ranchi

Organizing Committee

Patron:

Prof. Indranil Manna,
Vice Chancellor, BIT Mesra

Chairman:

Prof. Kunal Mukhopadhyay,
HOD, Dept. of Bioengineering and Biotechnology, BIT Mesra

Convener:

Dr. Koel Mukherjee, Assistant Professor, Dept. of Bioengineering and Biotechnology, BIT Mesra