

Faculty Development Programme

(February 09, 2026 – February 17, 2026)

ONLINE FACULTY DEVELOPMENT PROGRAMME ON

“Biomaterials for Tissue Engineering and Regenerative Medicine”

(February 09, 2026 – February 17, 2026)



**Electronics and ICT Academy Phase II,
PDPM IIITDM Jabalpur**
(An initiative of MeitY, Govt. of India)

ORGANISED BY



Biomaterials and Biomanufacturing Laboratory,
PDPM Indian Institute of Information Technology, Design
and Manufacturing, Jabalpur, Madhya Pradesh, India
482005

www.iiitdmj.ac.in

In association with



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ABOUT THE PROGRAMME

The faculty development programme on Biomaterials for Tissue Engineering and Regenerative Medicine aims to highlight the recent progress in the design, development, and application of advanced biomaterials. Special emphasis will be placed on the role of biomaterials in creating functional tissue scaffolds, enhancing cell-material interactions, and enabling 3D printing and bioprinting, as well as modern biomanufacturing strategies, to accelerate the translational research from laboratory to clinical practice. Through expert lectures and interactive sessions, the FDP will provide participants with a deep understanding of emerging biomaterials and tissue engineering strategies that are shaping the future of regenerative medicine.

PATRON

Prof. Bhartendu K. Singh

Director,
PDPM IIITDM Jabalpur, Madhya Pradesh, India

COORDINATOR

Prof. Himansu Sekhar Nanda

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ABOUT ELECTRONICS & ICT ACADEMY AT PDPM IIITDM JABALPUR

The Ministry of Electronics and Information Technology (MeitY), Government of India, instituted Electronics and ICT Academies in the year 2015. In the second phase, the academy at PDPM Indian Institute of Information Technology, Design and Manufacturing, Jabalpur aims at scalable training programmes in niche areas of electronics and ICT for the development of the required knowledge base, skills, and tools to unleash the talent of the Indian population. In addition to the FDPs on fundamental and advanced topics in electronics and information and communication technologies, the academy conducts customized training programmes for students, corporate sectors, and research promotion workshops in emerging areas. The Academy is identified by the MeitY as the central hub of activities on training, internships, research, and consultancy programmes.

ABOUT PDPM IIITDM JABALPUR

PDPM Indian Institute of Information Technology, Design and Manufacturing, Jabalpur was established in 2005 with a focus on education and research in IT-enabled design and manufacturing. The Institute offers UG, PG, and PhD programs in computer science and engineering, electronics and communication engineering, mechanical engineering, and design, and PhD programs in mathematics, physics, and literature. The Institute has been declared an Institute of National Importance. The institute campus is developed on 250 acres of land near the airport in Jabalpur.

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PROGRAMME FEATURES

- To enhance the expertise in advance thermal technologies.
- Opportunities to connect with experts in the field.
- Instructor-led rigorous hands-on sessions with online (live streaming) sessions.
- Certificate on successful completion of the course.

RESOURCE PERSONS

- Prof. Bikramjit Basu, Director, CSIR-CGCRI Kolkata and Professor, IISc Bangalore, India
- Prof. Ipsita Roy, The University of Sheffield, UK
- Prof. Kaushik Chatterjee, IISc Bangalore, India
- Prof. Ashok Kumar, IIT Kanpur, India
- Prof. P Gopinath, IIT Roorkee, India
- Prof. Anil Kumar, SCTIMST, Thiruvananthapuram, India
- Prof. Prasoon Kumar, NIT Rourkela, India
- Prof. Chinmaya Mahapatra, NIT Raipur, India
- Prof. Sumit Murab, IIT Mandi, India
- Prof. Santanu Dhara, IIT Kharagpur, India
- Dr. Amit Kumar Jaiswal, CBCMT, VIT Vellore, Tamil Nadu, India
- Dr. Madhusmita Dash, Iota Design & Innovations Lab, NIT Rourkela, India
- Prof. Bhishm Narayan Singh, MAHE Manipal, India
- Prof. Himansu Sekhar Nanda, IIITDM Jabalpur, India
- Prof. Rajesh Vasita, Central University of Gujarat, India

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COURSE CONTENTS OF FDP

The FDP covers the following areas:

Introduction to biomaterials and their classifications, Biocompatibility and biodegradation principles, Design and development of biomaterial-based tissue scaffolds, Surface modification and biofunctionalization strategies, Cell-biomaterial interactions, Clinical translation and applications in regenerative medicine, etc.

PARTICIPATION ELIGIBILITY

- The programme is open to the faculties from all technical and professional universities/institutes.
- UG/PG students, Ph.D. scholars, researchers, and professionals from research organizations and industries working in allied disciplines can also attend.

IMPORTANT DATES

Registration Open: November 01, 2025

Last Date of Registration: January 30, 2026

FDP Dates: February 09– 17, 2026

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REGISTRATION DETAILS

- Please fill out registration using the following link:
<https://forms.gle/MTMediazB6JS2H2r6>
- Registration fee is ₹500 for national and \$60 USD for international participants.
- Pay the registration fees using following details:

Beneficiary Name	PDPM IIITDM Jabalpur
Bank Name	INDIAN BANK
A/C No.	50018692852
IFSC Code	IDIB000M694



UPI ID: iiitdmj@indianbk

CONTACT US

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