

# Faculty Development Programme

(November 17, 2025 – November 23, 2025)

## ONLINE FACULTY DEVELOPMENT PROGRAMME (FDP) ON

### “Advance Thermal Technologies For Sustainable Future”

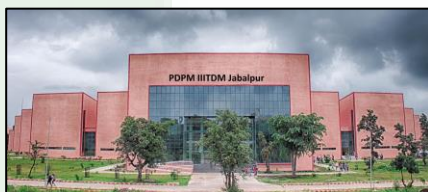
(November 17, 2025 – November 23, 2025)



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

### ORGANISED BY

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



[www.iiitdmj.ac.in](http://www.iiitdmj.ac.in)

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## ABOUT THE PROGRAMME

As the world grapples with the challenges of climate change and energy security, the transition to sustainable energy is more critical than ever. This FDP offers a comprehensive overview of both established and emerging energy technologies, from traditional renewables to innovative hybrid systems and advanced fuel cells. Our goal is to foster a deeper understanding of these technologies and their role in creating a more sustainable future. Participants will gain practical insights into the technical, economic, and environmental aspects of various energy systems, enabling them to enhance their teaching, research, and professional contributions.

### PATRON

**Prof. Bhartendu K. Singh**

Director,

PDPM IIITDM Jabalpur, Madhya Pradesh, India

### COORDINATOR

**Dr. Tushar Choudhary**

Assistant Professor,

Mechanical Engineering Department,  
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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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### COURSE CONTENTS OF FDP

- Renewable and Non-renewable Energy Sources
- Hybrid Energy System
- Fuel Cell Technologies
- Advanced IC Engines
- Hydrogen Fuel
- Waste Heat Recovery and Utilization
- Solar Photovoltaics
- Solar Thermal Energy Conversion
- Electronics in Energy Systems
- IT Solutions for Sustainable Energy

### RESOURCE PERSONS

The programme will be conducted by Sustainable Energy Technology Laboratory, Mechanical Engineering Department, PDPM IITDM Jabalpur. Various eminent experts in the related fields from top-tier eminent institutes, research labs, and industries are invited to deliver lectures in the program.

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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.

### PARTICIPATION ELIGIBILITY

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

### IMPORTANT DATES

**Registration Open:** October 15, 2025

**Last Date of Registration:** November 15, 2025

**FDP Dates:** November 17–23, 2025

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### REGISTRATION DETAILS

- Please fill out registration using the following link:  
<https://forms.gle/AE76QVDZXZWSpsiA8>
- Registration fee is ₹500 for national and \$60 USD for international participants.
- Pay the registration fees using following details:

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



**UPI ID:** iiitdmj@indianbk

### CONTACT US

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**Mr. Durgesh Kushwaha**

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