

## About Electronics & ICT Academy at PDPM IIITDM Jabalpur

The Ministry of Electronics and Information Technology (MeitY), Government of India has instituted Electronics and ICT Academies in the year 2015. In the second phase, the academy at PDPM IIITDM 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 faculty development programmes (FDPs) on fundamental and advanced topics in electronics, 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 IIITDM Jabalpur was established in 2005 with a focus on education and research in IT-enabled Design and Manufacturing. Since its inception, PDPM IIITDM Jabalpur has been playing a vital role in producing quality human resources for contribution to India's mission of inclusive and sustainable growth. The Institute offers undergraduate, postgraduate and PhD programmes in Computer Science and Engineering, Electronics and Communication Engineering, Mechanical Engineering, Design and PhD programmes in Mathematics, Physics and Literature. Further, the Institute offers an undergraduate programme in Smart Manufacturing. Under IIIT act, the Institute has been declared as an Institute of National Importance. The Institute campus is developed on 250 acres of land close to Dumna Airport, Jabalpur. The Institute is 10 kms from the main railway station and 5.5 kms from Dumna Airport, Jabalpur.

## Faculty Development Programme

### Industry 4.0, Sustainable and Green Manufacturing Approaches

The course is designed to provide participants with in-depth knowledge of emerging techniques and methodologies in Industry 4.0 and smart manufacturing. This FDP aims to equip faculty with insights into Industry 4.0 technologies revolutionizing modern manufacturing. Emphasis will be placed on sustainable and green manufacturing practices aligned with circular economy principles.

**Who can attend:** The Programme is open to faculty from all colleges, universities, and technical and professional institutes. Students, fresh graduates, researchers, and industry personnel working in allied disciplines can also attend.

### Important Dates

Last Date of Online Registration: **November 13, 2025**

FDP Dates: **November 15-23, 2025**

### Coordinators

**Dr. Sachin Kumar**

Mechanical Engineering Discipline,  
PDPM IIITDM Jabalpur

**Dr. Joy Prakash Misra**

Department of Mechanical Engineering,  
IIT BHU Varanasi

### Contact Us

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(Mr Ashvarya Agrawal)

## Faculty Development Programme

### Industry 4.0, Sustainable and Green Manufacturing Approaches

**November 15-23, 2025 (Online mode)**



### Electronics and ICT Academy, Phase II



*An Initiative of  
Ministry of Electronics and Information Technology,  
Government of India*



PDPM Indian Institute of Information Technology,  
Design and Manufacturing, Jabalpur  
Dumna Airport Road, Jabalpur 482005

## Faculty Development Programme

### Industry 4.0, Sustainable and Green Manufacturing Approaches

November 15-23, 2025 (Online mode)

#### RESOURCE PERSONS

- Prof. Meghanshu Vashista, IIT BHU
- Prof. P K Jain, IIITDM Jabalpur
- Dr. Prateek Saxena, IIT Mandi
- Prof. Puneet Tandon, IIITDM Jabalpur
- Prof. Sunil Jha, IIT Delhi
- Dr. Sunil Agrawal, IIITDM Jabalpur
- Prof. Tanuja Sheorey, IIITDM Jabalpur
- Prof. V K Gupta, IIITDM Jabalpur
- Dr. Zafar Alam, IIT ISM Dhanbad

#### COURSE COORDINATORS

##### Dr. Sachin Kumar

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## Course Contents

- Industrial Internet of Things (IIoT)
- Additive Manufacturing (3D Printing) for Customization and Efficiency
- Augmented and Virtual Reality (AR/VR) in Industrial Applications
- Digital Supply Chain Management and Real-Time Tracking
- Circular Economy: Design for Reuse, Repair, and Recycling
- Carbon Footprint Reduction in Manufacturing
- Policy Frameworks Supporting Industry 4.0 and Sustainability
- Skill Development for Industry 4.0 Readiness
- Lean and Green Manufacturing Integration
- Smart and Energy Materials
- Collaborative R&D and Industry-Academia Partnerships
- Incentivizing SMEs to Adopt Industry 4.0 and Sustainable Practices

## Programme Features

- Interactive lectures and hands-on workshops conducted by leading academicians, industry professionals, and domain experts
- Opportunities to connect with experts in the field.
- Instructor-led rigorous hands-on sessions with online (live streaming) sessions.
- Certificate on successful completion with full access to the course material.

## Registration Details

- Registration link – Please fill out registration using the following link:
- <https://forms.gle/KEcsY1YVaUgkKH7>
- Registration fee: 500 INR/- (For Online)
- Last Date for Registration: **November 13, 2025**

## Online Payment Details

- **Internet banking**

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

- **UPI ID: [iiitdmj@indianbk](mailto:iiitdmj@indianbk)**

## QR CODE

