About Electronics & ICT Academy at

PDPM IIITDM Jabalpur

The Ministry of Electronics and Information Technology (MeitY), Government of India, established the Electronics and ICT Academies in 2015. The PDPM IIITDM Jabalpur academy focuses on scalable training in Electronics and ICT to enhance skills and technological capabilities. It conducts training, internships, research, and consultancy in both basic and advanced areas. It also offers tailored programs for students, professionals, and researchers.

About MANIT Bhopal

Maulana Azad National Institute of Technology (MANIT), Bhopal, established in 1960, became an NIT in 2002 and an Institute of National Importance in 2007. It offers undergraduate, postgraduate, and doctoral programs across engineering, architecture, sciences, and management. The institute has a well-equipped 650-acre campus with modern academic and residential facilities.

Faculty Development Programme

On

Renewable Energy and Applied Computational Thermo-Fluids Systems

The course offers an in-depth understanding of technological advancements in Renewable Energy and Applied Computational Fluid Dynamics through experimental, simulation, and machine learning approaches. It also provides hands-on experience in applying analytical, experimental, and simulation-based problem-solving methods to real-world thermo-fluid and renewable energy systems.

Who can attend: Faculty members from colleges, universities, technical, and professional institutes can attend. Students, fresh graduates, researchers, and industry personnel working in allied disciplines can also attend.

Important Dates: 15-22, May 2026.

Last Date of Online Registration: 14, May, 2026
FDP Dates: 15-22 ,May, 2026

Coordinators: **Dr. Tushar Choudhary**,MED, PDPM IIITDM Jabalpur;

Contact us: Dr. Tikendra Nath Verma, Dr. Narendra Gajbhiye, Dr. Lal Singh Devsoth & Dr. Emon Barua, MED, MANIT Bhopal, MP, India, 462003.

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Contact numbers: +91-9121766754, 9577839402

Faculty Development Programme

On

Renewable Energy and Applied Computational Thermo-Fluids Systems

Jointly Organized by

Maulana Azad National Institute of Technology (MANIT) Bhopal

and

Electronics and ICT Academy IIITDM Jabalpur

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

Digital India
Power To Empower

Faculty Development Programme

On

Renewable Energy and Applied Computational Thermo-Fluids Systems

15-22, May,2026 (online mode)

Resource Persons

- Dr. T.N Verma (MANIT Bhopal)
- Dr. Narendra Gajbhiye (MANIT Bhopal)
- Dr. Lal Singh Devsoth (MANIT Bhopal)
- Dr. Gaurav Dewedi (MANIT Bhopal)
- Dr. Prashant Baredar (MANIT Bhopal)
- Dr. Prerana Nashine (PSSCIVE)
- Dr. Amrit Kumar Mishra (IIMT Noida)
- Dr. Prem Kumar Chaurasiya (NIT Raipur)
- Dr. Tushar Chaudary (IIITDM Jabalpur)
- Dr. Anuj Shukla (NIT Raipur)

Coordinators

Dr. Tushar Choudhary, MED, PDPM IIITDM Jabalpur, tushar.choudhary@iiitdmj.ac.in.

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Course Contents

The rapid expansion of renewable energy technologies, solar, wind, hydro, bio-mass and conventional heat transfer approaches often prove adequate for addressing complex interdisciplinary challenges in modern computational era.

- Understand advanced computational methodologies applied in thermo-fluid systems for renewable energy integration.
- Complex interdisciplinary programs thermo-fluids, thermo-solar, wind-hydro and solar-wind with using computational.
- Gain hands-on experience with industry-standard simulation tools for modelling and analysing thermo-fluid and renewable energy systems.
- Utilising the MATLAB/ ML / ANYSYS/ COMSOL for optimal usage of renewable energy.
- Study integration techniques of renewable energy sources into conventional thermal-fluid systems, focusing on sustainability and energy conservation.

Hands-On Sessions

- Solving the basic Fluid mechanics and Heat transfer problems with ANSYS CFD & UDF.
- Giving the detail understand of the Structural analysis with ANYS APD.
- Simulation of real-time problems on bio mechanics, MEMS and Sensors.

Programme Features

- Rigorous training for theoretical and practical knowledge on renewable energies, heat transfer and fluid mechanics.
- Opportunities to connect with experts.
- Instructor-led, rigorous hands-on sessions.
- Certificate on successful completion with full access to the course material.

Registration Details

- Registration link – Please fill out registration using the following link: [Link here]
- Registration fee: **Rs:500/-**for online participation.
- Last Date for Registration: **14th May 2026**

Online Payment Details

- **Internet banking**

Beneficiary Name	MANIT, Bhopal
Bank Name	State Bank of India
A/C No.	10020150107
IFSC Code	SBIN0001608