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: 14th May 2026
FDP Dates: 15- 22 May 2026

Coordinators:

Dr. Tushar Choudhary, PDPM IIITDM Jabalpur
Dr. Tikendra Nath Verma, MANIT Bhopal
Dr. Narendra Gajbhiye, MANIT Bhopal
Dr. Lal Singh Devsoth, MANIT Bhopal
Dr. Emon Barua, MANIT Bhopal

Faculty Development Programme

On

Renewable Energy and Applied Computational Thermo-Fluids Systems

Jointly Organized by

Electronics and ICT Academy
IIITDM Jabalpur

and

Maulana Azad National Institute of Technology (MANIT) Bhopal

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

(REACT-FS-2026, Online Mode)

15th – 22nd May 2026

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. Prerala Nashine (PSSCIVE)
- Dr. Amrit Kumar Mishra (IIMT Noida)
- Dr. Prem Kumar Chaurasiya (NIT Raipur)
- Dr. Tushar Chaudary (IIITDM Jabalpur)
- Dr. Anuj Shukla (NIT Raipur)

Patron

Prof. Bhartendu K Singh
Director, IIITDM Jabalpur

Coordinators

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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 analyzing thermo-fluid and renewable energy systems.
- Utilizing 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.
- MEMS based energy harvester and Fluid Structure Interaction

Hands-On Sessions

- Solving the basic Fluid mechanics and Heat transfer problems with ANSYS CFD.
- Giving the detail understand of the Structural analysis with ANYS APDL.
- Simulation of real-time problems on biomechanics, MEMS and Sensors.
- Implementation of UDF's in computational methods.
- Renewable energy simulations using software.

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: https://forms.gle/hJ8yetQvMHUPuV4M7
- Registration fee: **Rs:500/-**for online participation.
- Last Date for Registration: **14th May 2026**

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**
- **QR Code:**

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