

Five-Days Hybrid FDP Workshop
(May 12, 2025 – May 16, 2025)

FIVE DAYS HYBRID WORKSHOP ON

“Sustainable Hydrogen Production and Integration of Hydrogen Technologies”

(May 12, 2025 – May 16, 2025)

FUNDED BY

SERB-DST | Anusandhan National Research Foundation (ANRF)

[Under the Scientific Social Responsibility (SSR), Policy of SERB]



VENUE

Visitors Hostel
PDPM IIITDM Jabalpur

ORGANISED BY

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

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CO-PATRON

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Dean (RSPC), PDPM IIITDM Jabalpur

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ABOUT PDPM IIITDM JABALPUR

PDPM IIITDM 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, 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.

ABOUT THE WORKSHOP

This workshop explores sustainable hydrogen production, storage, and integration in energy systems. Topics include green hydrogen, fuel cells, policies, and industrial applications. Experts from academia and industry will share insights. This workshop aims to provide a comprehensive understanding of sustainable hydrogen production and its role in the energy transition. Additionally, discussions will cover key policies, safety measures, and future research directions to address the complexities and opportunities in developing a hydrogen-based energy system.

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TOPICS OF WORKSHOP

- Green Hydrogen Production Technologies
- Hydrogen Storage and Distribution Challenges
- Fuel Cells & Hydrogen-Based Energy Systems
- Hybrid Energy System with Hydrogen Integration
- Hydrogen Enrichment with Biofuels for IC Engines
- Waste Heat Utilization with PCM and TEGs
- Industrial and Transport Sector Applications
- Sustainable Energy and Climate Change

HANDS-ON EXPERIENCE ON

- Fuel Cell Modelling and Simulation
- IC Engine Simulation
- Experimentation on Energy Systems
- Energy Storage through Phase Change Materials

RESOURCE PERSONS

The programme will be conducted by IIITDM Jabalpur. Various eminent experts and academicians in the related fields from IITs/NITs/IIITs/CSIR Labs as well as leading industries and research organizations.

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REGISTRATION DETAILS

Please fill the registration form using the following link or by scanning the QR code:

<https://forms.gle/D3qCPdKppCEcCMw79>



SPECIAL NOTES

- **No registration fee** for participants.
- All logistical arrangements will be managed in-house.
- The participants can join the workshop online or offline (on-campus). However, due to limited space and resources, offline seats are capped at 20 and will be allocated on a first-come, first-served basis. All other participants must join online.
- Accommodation may be provided for a nominal charge of ₹100 per day.
- 80% Attendance is compulsory for the Certificate.

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PARTICIPATION ELIGIBILITY

UG/PG students, Ph.D. scholars, JRF/SRF/RA, faculty members, as well as professionals from research organizations and industries.

IMPORTANT DATES

Registration Open: May 01, 2025

Last Date of Registration: May 10, 2025

Duration of the Workshop

May 12, 2025 – May 16, 2025

MODE OF THE PROGRAM

Hybrid (Online/Offline)

CONTACT US

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