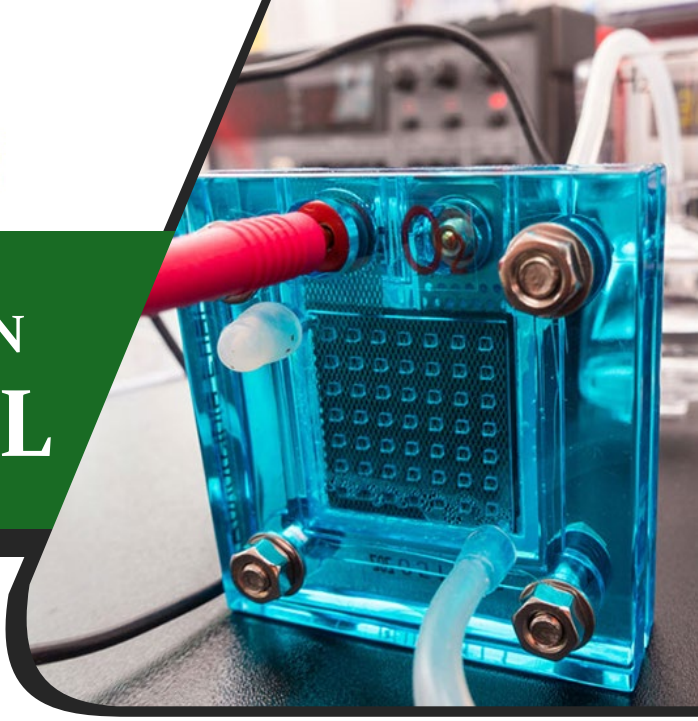
VIT®
Vellore Institute of Technology
(Deemed to be University under section 3 of UGC Act, 1956)

ONE-DAY WORKSHOP ON
PEM FUEL CELL
(Hybrid Mode)



Organized by
Centre for Net-Zero Technologies (CNET)
VIT Vellore

About the Workshop

This one-day intensive workshop provides a comprehensive introduction and hands-on exposure to Proton Exchange Membrane (PEM) Fuel Cells. Participants will learn the fundamentals, fabrication techniques, assembly, and performance evaluation of fuel cells.

Topics Covered

- **Session 1: Fundamentals**
  - Introduction to fuel cells and working principles
  - Types of fuel cells and applications
  - PEM fuel cell components and reactions
- **Session 2: MEA Fabrication**
  - Catalyst slurry preparation
  - Catalyst coating
  - Controlled drying
  - MEA hot pressing
- **Session 3: Fuel Cell Assembly**
  - Stack assembly
  - Sealing and compression
  - Flow field basics
- **Session 4: Performance & Testing**
  - Performance evaluation
  - Key parameters and diagnostics
  - Polarization curve generation

Learning Outcome

- Understand PEM fuel cell working and design
- Gain hands-on exposure to MEA fabrication
- Learn assembly and testing techniques
- Develop skills in diagnostics and troubleshooting

Organizing committee

Chief Patron
Dr. G. Viswanathan, Chancellor, VIT
Patrons
Dr. Sankar Viswanathan, Vice President
Dr. Sekar Viswanathan, Vice President
Dr. G. V. Selvam, Vice President
Dr. Sandhya Pentareddy, Executive Director, VIT
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Dr. Partha Sharathi Mallick, PROVC, VIT
Dr. Jayabarathi T, Registrar, VIT
Organizing Chair
Dr. Rajasekar N, Director, CNET
Workshop Convenor
Dr. Arjun Singh K, Assistant Professor, CNET
Dr. Soundharrajan V, Associate Professor, CNET
Technical Support
Mr. Silambarasan R, Sr. Dev. Engineer, CNET

Registration Details

Fee: ₹300 (Including GST)

Date & Venue

Date : 02-11-2026
Venue : TT709 – Technology Tower, VIT Vellore

Registration Link

https://events.vit.ac.in/

Contact Information

Mr. Silambarasan R – 9952150511
Lab Landline: 0416-220 2395

✨ Join us to explore the future of clean energy with PEM Fuel Cells! ✨