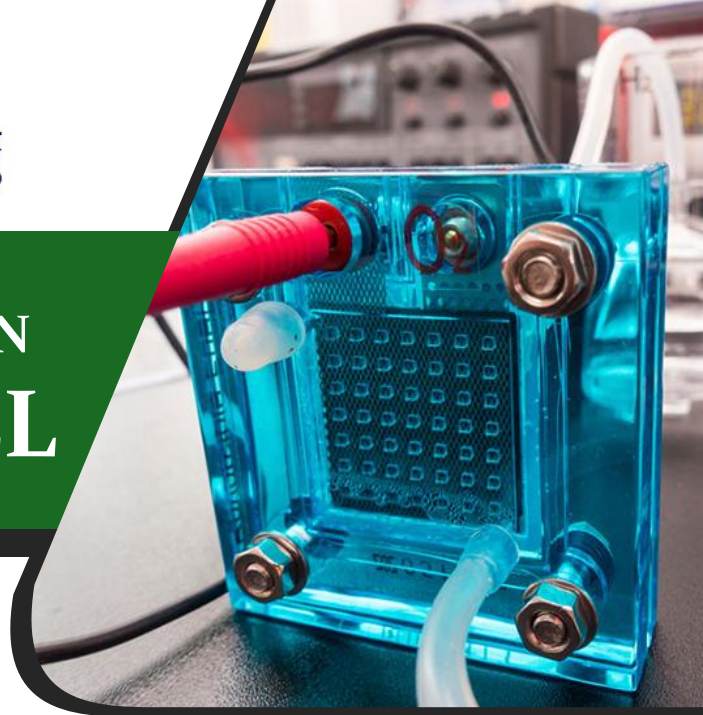




VIT
Vellore Institute of Technology
(Deemed to be University under section 3 of UGC Act, 1956)

ONE-DAY WORKSHOP ON PEM FUEL CELL

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. V. S. Kanchana Bhaaskaran, VC, VIT
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)

Limited Seats: 30 (First come, first serve)

Date & Venue

Date : 23-10-2026

Venue : TT709 – Technology Tower, VIT Vellore

Registration Link

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



Contact Information

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