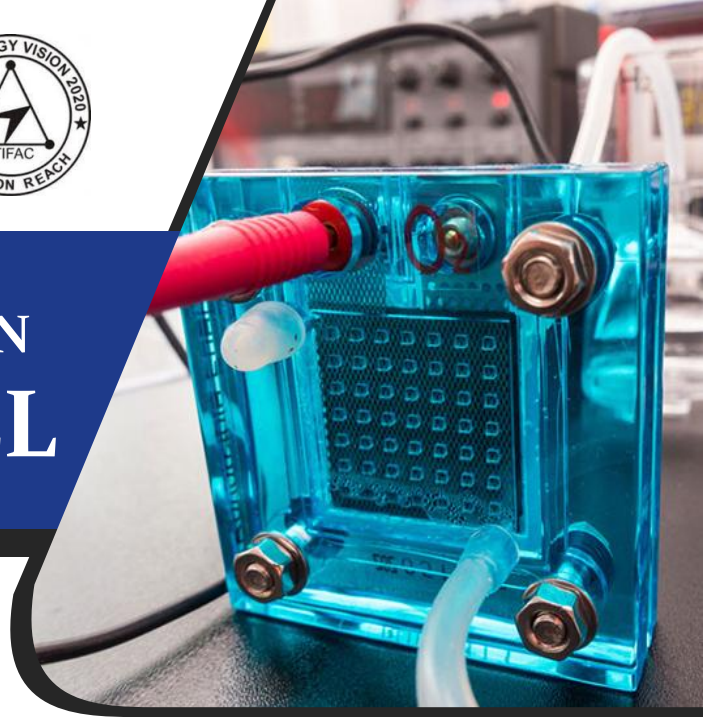




ONE-DAY WORKSHOP ON PEM FUEL CELL



Organized by
Technology Information Forecasting & Assessment
Council (TIFAC CORE)
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
Ms. Kadhambari S. Viswanathan, AVP, 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

Prof. Rajasekar N, Director, TIFAC

Workshop Convener

Dr. Arjun Singh K, Assistant Professor, TIFAC
Dr. Santanu Kumar Dash, Asso. Professor, TIFAC

Technical Support

Mr. Silambarasan R, Dev. Engineer, TIFAC

Registration Details

Fee: ₹300 (Including GST)

Limited Seats: 30 (First come, first serve)

Date & Venue

Date : 16-04-2026

Venue : TT709 – Technology Tower, VIT Vellore

Registration Link

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



Contact Information

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