Topics Covered

Day 1: Fundamentals & MEA Fabrication

- **Introduction to fuel cell basics, working, types and application**
- **Catalyst Slurry Preparation**
- **Catalyst Coating**
- **Controlled Drying**
- **MEA Hot Pressing**

Day 2: Fuel Cell Assembly, Performance & Testing

- **Fuel Cell Assembly**
- **Fuel Cell Performance, Key parameters and evaluation methods**
- **Testing & Diagnostics**
- **Polarization Curve Generation**

Program Outcomes

- **Participants will acquire knowledge on hands-on fabrication and testing of fuel cell.**
- **Learn how to design, fabricate, and test MEAs and fuel cells.**
- **Participants will gain confidence in handling fuel cell components and diagnostic tools and troubleshooting.**
- **Prepares them for advanced development in the fuel cell industry.**

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Coordinator
Mr. Silambarasan. R
Development Engineer, TIFAC

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Assistant Professor, TIFAC

Get in touch!

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Visit **https://vit.ac.in/centers/tifac** to learn more about our Centre.

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

40 YEARS OF TRANSFORMING LIVES

Hands-on Training on "PEM Fuel Cell"

29 - 30 January 2026

@

TT709- Hydrogen and Fuel Cell Technology Lab
TIFAC CORE
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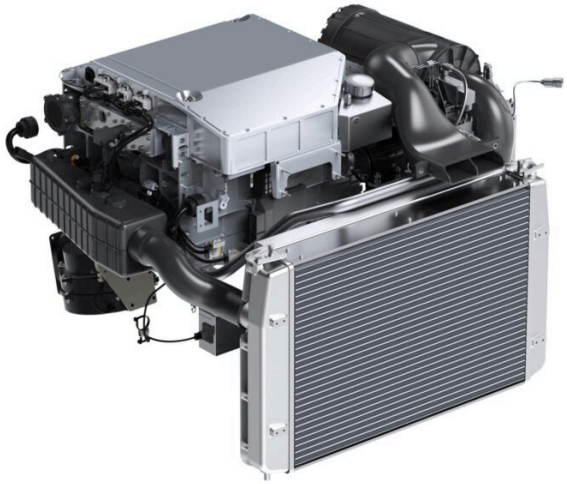

Organized by
Technology Information Forecasting & Assessment Council - TIFAC
Vellore Institute of Technology, Vellore

> *"The future runs on hydrogen - and fuel cells lead the way."*

Our Vision

To inspire and empower a new generation of sustainable mobility innovators, bridging academia and industry for a greener future.

Advancing global progress by promoting sustainable mobility and achieving NetZero goals, while driving technological innovation to solve societal and industrial challenges.

About TIFAC

The Centre is conducting need based training programs on cutting edge technologies. Offering consultancy services for the industries and carrying out research works through the research grants received from funding agencies. The Centre has so far conducted 364 Training programs. The Centre has completed nearly 22 consultancy projects with many leading niche areas The centre has filed 55 patents (includes US patents).

Registration Fees: **15000 INR including GST**

- **10% discount on registration charges for 5+ participants from same concern**
- **15% discount on registration charges for 10+ participants from same concern**
- **20% discount on registration charges for 20+ participants from same concern**
- **Registration charges includes participation certificate, training materials, and refreshments**

Registration Link:

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

Registration is limited to 20 participants based on first come first serve

Important Dates

Registration closes on 23-01-2026

Target Participants

- **Exclusively for Industry Personals**