



Faculty Development Program



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

Title : Hydrogen-Powered Fuel Cells and Single-Cell Demonstration

Date : 2026-02-11 - 2026-02-11

Time : 10:00 - 13:15

Venue : TT707

Event Outcome

- Participants will be able to: Explain the working principle of hydrogen-powered fuel cells. Identify key performance parameters. Assemble and operate a PEM single fuel cell. Conduct basic testing and interpret experimental data.



Resource Person 1 - Details

Name : Aristatil Ganesan

Designation : Scientist, Research and Development

University/ Company : Aatral Innovations, Chennai

Address : India, 603112.

Resource Person's Profile :

1. Profile of Aristatil Ganesan

Scientist

This half-day FDP introduces hydrogen-powered fuel cells with emphasis on working principles, components, and performance parameters. Participants gain practical exposure through single-cell assembly and live demonstration, enabling understanding of electrochemical reactions, polarization behavior, efficiency losses, and real-time testing for clean energy applications.

Fuel cell and testing equipments.

Coordinator's: Prof. ARJUN SINGH K 20094 - Assistant Professor Sr. Grade 1 - TIFAC
Prof. KALAISELVAN N 20104 - Associate Professor Grade 1 - TIFAC