



CSIR-CENTRAL ELECTROCHEMICAL RESEARCH INSTITUTE, KARAIKUDI

Electrochemical Process Engineering (EPE) Division

Skill Development Training Programme on Hydrogen Production, Utilization, Handling and Safety



Duration: One Week (April 6-10, 2026)

Venue: CSIR-CECRI Campus, Karaikudi

Coordinator: **Dr. M. Gowri**

Co-coordinator: **Dr. Abhishek Meena**

Day	10.00 – 11.00 hrs	11.30 – 13.00 hrs			14.00 – 15.00 hrs	15.15 – 16.15 hrs
Day 1 Monday	Inaugural Function Chief Guest: Director, CSIR-CECRI	Introduction to Electrochemistry and Water Electrolysis Dr. C. Jeyabharathi			Overview of Hydrogen Production Technologies Dr. S. Vengatesan	Electrolyser Systems Hydrogen Production – Basic Chemistry Dr. Abhishek Meena
Day 2 Tuesday	PEM Electrolyser, Alkaline Electrolyser, Balance of Plant (Industrial Aspects) Dr. R. Malini	Hydrogen Purification Dr. V. Ravibabu			Hydrogen Storage and Transportation Dr. Sourav Kumar Saha	Lab Visit: Hydrogen Purification Dr. V. Ravibabu
Day 3 Wednesday	Overview of Hydrogen Safety and Handling Dr. P. Tamilarasan	Electrical Safety for Hydrogen Production Er. Badavath Gopi	Mechanical Aspects of Electrolyser Stack Er. Bidhun	Electrolyser Characterisation Techniques Ms. P. Amritha	Lab Visit: Characterizations, PEM and AEM Electrolyser, Fuel Cell Hylab	
Day 4 Thursday	Overview of Hydrogen Utilization Systems Dr. Harshal Agarwal	Hydrogen Fuel Cell Technology Dr. Vishal / Dr. Santosh Kumar Bhat			Green Ammonia Production Dr. M.U. Sreekuttan	Lab Visit: Electrocatalyst Synthesis Dr. Subrata Kundu
Day 5 Friday	Implementation of Machine Learning Models for Electrochemical Systems Dr. R. Sindhuja	Hydrogen Technology Regulations Dr. M. Gowri and Dr. Deepak Kumar Pattanayak			Feedback, Quiz and Discussion Ms. P. Amritha, Er. K. Bidhun and Er. Badavath Gopi	Valedictory Function Chief Guest: Director, CSIR-CECRI