



AN AUTONOMOUS INSTITUTION

AICTE Sponsored one Week Offline Faculty Development Program on “Hydrogen Energy: Pathway to a Sustainable Future” 7th to 12th September-2026

Organized By: Mechanical Engineering Department

Thrust Area: Hydrogen Energy

Schedule of ATAL FDP



Inauguration on 7th September, 2026 at 9am to 9:30am

Day 1	Day 2	Day 3	Day 4	Day 5	Day 6
9:30 – 12:00 Session 1 Topic: Green Hydrogen for Cooking: Advancing Sustainable and Self-Reliant Energy Access in India Expert: Dr. Prakash Chandra, Ghosh, Professor, Department of Energy Science and Engineering, IIT Bombay, Mumbai. Exp.: 25 Yrs	9:30 – 12:00 Session 3 Topic: Fuel Cells & Hydrogen-Based Energy Systems Expert: Dr. (Mrs) Smita A. Acharya Professor , Advanced Material Research laboratory Department of Physics RTM Nagpur University Campus. Exp.: 30 Yrs	9:30 – 12:00 Session 5 Topic: H2 ICE Development: Translating Fuel Chemistry into Engine Architecture Expert: Dr. Aatmesh Jain, Manager, The Automotive Research Association of India (ARAI), Pune Exp.: 11 Yrs	9:30 – 12:00 Session 7 Topic: Bio-hydrogen for Self-reliance Expert: Dr. Nitant Mate, Chief Research Officer, HyZero Energy Ecosystems Pvt Ltd, Exp.: 40 Yrs	9:00 – 1:00 Industrial visit Inventys Research Company Butibori, Nagpur	9:30 – 12:00 Session 10 Topic: Hydrogen Energy, Policies and Regulations. Expert: Mr. Sameer Bendre, Executive Director, HyZero Energy Ecosystems Pvt Ltd. Exp.: 25 Yrs
12:00 – 1:00 Article Discussion by Dr. Prakash Chandra Ghosh	12:00 – 1:00 Article Discussion by Dr. (Mrs) Smita A. Acharya	12:00 – 1:00 Article Discussion by Dr. Atimesh Jain	12:00 – 1:00 Article Discussion by Dr. Nitant Mate		12:00 – 1:00 Article Discussion by Mr. Sameer Bendre
1:00 – 2:00 Lunch	1:00 – 2:00 Lunch	1:00 – 2:00 Lunch	1:00 – 2:00 Lunch	1:00 – 2:00 Lunch	1:00 – 2:00 Lunch
2:00 – 4:30 Session 2 Topic: Hydrogen Deflagration and Explosion Analysis Expert: Dr Nikhil A. Bhawe Assistant Professor, Defence Institute of Advanced Technology, DIAT-DU-DRDO, Girinagar, Pune. Exp.: 10 Yrs	2:00 – 4:30 Session 4 Topic: Hydrogen energy: India's path to a sustainable future Expert: Dr. Ashwin Dhole Associate Professor, Mechanical Engineering Department, VNIT, Nagpur. Exp.: 25 Yrs	2:00 – 4:30 Session 6 Topic: Hydrogen and Mechanical Control. Expert: Mr. Vivek Shastrakar Production Manager, Inventys Research Company, Butibori, Nagpur Exp.: 24 Yrs	2:00 – 4:30 Session 8 Topic: Hybrid Energy System with Hydrogen Integration Expert: Dr. G. K Awari, HOD Automobile. Engineering, Govt Polytechnic Nagpur. Exp.: 25 Yrs	2:00 – 4:30 Session 9 Topic: Biogas reformation to hydrogen rich syngas production Expert: Dr. Parmanand Bhale Professor & Head, Mechanical Engineering Department, SVNIT, Surat Exp.: 25 Yrs	2:00 – 4:00 MCQ& Reflection Journal
4:30 – 5:30 Article Discussion by Dr Nikhil A. Bhawe	4:30 – 5:30 Hands on training /Labs Prof Atul Kumar Saxena Thermal lab of the institute	4:30 – 5:30 Hands on training /Labs Dr. B. S. Bhaskar, Thermal lab of the institute	4:30 – 5:30 Hands on training /Labs Dr. V. C. Sontake, Thermal lab of the institute	4:30 – 5:30 Article Discussion by Dr. Parmanand Bhale.	4:00 – 5:00 Valedictory Session