

About NITT

The National Institute of Technology (formerly Regional Engineering College) Tiruchirappalli was established as a joint venture of the Government of India and the Government of Tamil Nadu in 1964. The institute was granted Deemed University status with the approval of the UGC / AICTE and Government of India in 2003 and renamed as National Institute of Technology, Tiruchirappalli (NIT-T). NIT-T has been declared as institution of national importance by National Institute of Technology act 2007. National Institute of Technology, Tiruchirappalli has carved a mark on the National scene last year by being ranked first among all the NITs and 9th among all the technical institutes in the country by the Institute Ranking framework (NIRF) of the Government of India. The institute received High impact Entrepreneurship Campus Award jointly awarded by the Ministry of Skills Development and Entrepreneurship. The Institute now offers ten under graduate courses and twenty-six postgraduate courses in various disciplines of Science, Engineering and Technology besides Ph.D. programme in all the departments.

About Department

The department of Chemical Engineering was established in 1967. The department has the distinction of being ranked as one of the top seven Chemical Engineering divisions in India with a group of well qualified faculty, staffs and motivated students. The department is recognized as one of the leading department offering B.Tech. (Chemical Engineering), M.Tech. (Chemical Engineering), M.Tech. (Process control and Instrumentation) in collaboration with ICE department, and Ph.D. programme. The National Board of Accreditation (NBA) has granted all PG and UG courses offered by the department, the A (+3) certification for 3 years. The Department has built up good research, analytical, instrumentation and computational facilities through funding from the Ministry of Human Resources Development and research projects from Government Agencies and Industry. Core research specialization of the Department includes Energy (Alternate fuels, fuel cell technology, bio-energy), Environment (Biochemical and bioprocess separations, wastewater treatment, membrane technology, sonochemical processes, electrochemical operations), Process control (Linear and non-linear predictive control, modeling) and Advanced Materials (Particulates, functional materials).

Patron

Dr. G. Aghila
Hon'ble Director, NIT Trichy

Chair Person

Dr. G. Arthanareeswaran,
(Professor and Head)
Chemical Engineering

Coordinator

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Organizing Committee

All the Faculty and Staff members of Chemical
Engineering Department, NIT Trichy

Five Days Workshop

on
Hydrogen as Sustainable Energy Carrier in near
Future – Progress & Status in India
(08th – 12th June, 2026)



Sponsored by
Anusandhan National Research Foundation (ANRF),
New Delhi - 110 016

Organized by



Department of Chemical Engineering
National Institute of Technology Tiruchirappalli
Trichy – 620015
(Institution of National Importance)

In Association with



Anusandhan
National
Research
Foundation

About the FDP

This FDP is intended to impart knowledge and drive a glance towards recent research progress in green hydrogen gas production and support sustainable development. This includes, methods of hydrogen production, catalyst for electrochemical reaction, fuel analysis, application, storage, etc. This program will be highly supportive to those working in these related topics to enhance their current knowledge and to get clarification in their current research work. The FDP sessions are consciously designed to cover the materials for hydrogen production, renewable energy source-based hydrogen generation methods, hydrogen fuel storage and transportation, status of hydrogen energy in India, its application in transport sections to minimize hazardous emission.

Course Content:

1. Introduction to hydrogen gas production methods.
2. Catalyst development for the electrochemical reaction.
3. Hydrogen gas as sustainable fuel – Progress & Status in India.
4. Hydrogen gas storage and transportation.

Targeted participants

The **Hybrid-Mode workshop** is more beneficial and so open to the faculty of AICTE approved Institutions, researchers, UG and PG students, Participants from Industry and staff, students from host Institute. The program will be conducted in hybrid mod, and certificates will be provided to all the participants who register and attend the program.

Scope of FDP:

The FDP focuses on advancing knowledge in **hydrogen energy technologies**, covering methods of hydrogen production, catalysts for electrochemical reactions, fuel analysis, applications, storage, and transportation. It also addresses **renewable energy-based hydrogen generation** and provides insights into the **current status of hydrogen energy in India**, supporting researchers and professionals in related fields.

Outcome of FDP:

Participants will gain **enhanced knowledge of hydrogen energy technologies**, develop clarity in their ongoing research, and acquire practical insights into hydrogen production, storage, transportation, and applications, with a clear understanding of India's current hydrogen energy roadmap.

Resource Persons:

Sessions will be conducted by eminent experts from IITs, NITs, IIITs, IISc, CSIR, and leading institutions, organizations, and industries, who will share their insights and expertise.

Details about Registration:

- Registration Fees:

Students	1000 INR
Faculty members	1500 INR
Industry	2000 INR

For registration, Use the link:

<https://forms.gle/HgNAzhdD6Ky6hfgz8>

- *The registration is compulsory for all the participants. The registration fee is completely non-refundable.

Special Note for the participants who opted to attend the program in Off-line mode (In-Person):

Accommodation and Travel:

Accommodation will be provided on the basis of availability in hostels/guest house (on sharing) on payment basis. No TA/DA will be provided to attend the program

Important Dates:

Last date for Registration: 20-05-2026

Workshop dates: 08th – 12th June 2026.

*All correspondence/clarifications should be addressed to the Coordinators via Email: cleanhydrogen.nitt@gmail.com

How to apply?

The participants must deposit the registration fee through SBI Collect with the following steps as given below:

Step1: <https://onlinesbi.sbi.bank.in/sbicollect/>

Step2: Select *Educational Institution*

Step3: Select state Tamilnadu and search for NIT TRICHY search bar. Then select CONFERENCE AND WORKSHOP NIT TRICHY

Step4: Select Payment Category as Chemical 2026 – Hydrogen as Sustainable Energy

Step5: Proceed (Fill the required details and submit) Generate the payment slip and attach it with the Registration form using the following link:

<https://forms.gle/HgNAzhdD6Ky6hfgz8>

Contact details:

Dr. K Sankar, Assistant Professor,

Email: shankark@nitt.edu

Dr. N. Samsudeen, Associate Professor,

For Contact & Enquiry

Ph. No: 9361292770