

MALAVIYA MISSION TEACHER TRAINING CENTRE

jointly with

Department of Chemical Engineering

Coimbatore Institute of Technology, Coimbatore – 641014, Tamil Nadu

SIX-DAY ONLINE SHORT TERM TRAINING PROGRAMME

Emerging Trends in Advanced Materials, Environmental Nanotechnology & Polymers

for Renewable Energy and Green Hydrogen Technologies

DURATION

17–23 Sep 2026

TIMING

9:30 AM – 5:30 PM

MODE

Online

REGISTRATION

NO REGISTRATION FEE

FORMAT

6 Days • Live
Online

ELIGIBILITY

HEI Faculty &
Research Scholars

RESOURCE PERSONS

IITs, NITs &
Industry

CREDIT

Counted under
CAS

1 Programme Overview

This interdisciplinary programme brings together advanced materials, nanotechnology, sustainable polymers and green hydrogen technologies to address clean energy generation, storage and environmental remediation. Participants will engage with functional nanomaterials, 2D materials, polymer nanocomposites and membranes, alongside emerging renewable-energy and green-hydrogen systems — linking fundamental research to industrial applications, green synthesis and circular-economy practices for a low-carbon future.

2 Key Focus Areas

✂ Advanced Functional
Materials

🌿 Environmental
Nanotechnology

⚙ Advanced Polymers &
Nanocomposites

☀ Materials for Renewable
Energy

H₂ Green Hydrogen
Technologies

🔋 Advanced Energy Storage
Tech.

3 What You Will Gain

- ▶ Grounding in functional materials, nanomaterials and 2D materials for energy & environmental applications
- ▶ Working understanding of sustainable polymers, membranes and polymer nanocomposites
- ▶ Exposure to solar, fuel-cell, battery and supercapacitor technologies

- ▶ Practical grasp of green hydrogen production, storage, transport and utilisation
- ▶ Insight into pollution control, water treatment and carbon-management applications
- ▶ Pathways for interdisciplinary research, collaboration and funded projects

Schedule, Eligibility & Registration

4 Programme Schedule

Time: 09:30 AM TO 05:30 PM

DATE / DAY	TOPICS COVERED	MODE
17.09.2026 – Thu	Advanced Materials & Nanotechnology	Online
18.09.2026 – Fri	Environmental Nanotechnology & Polymers	Online
19.09.2026 – Sat	Renewable Energy Materials	Online
20.09.2026 – Sun	Holiday	—
21.09.2026 – Mon	Green Hydrogen Technologies	Online
22.09.2026 – Tue	Clean Energy, AI & Research Translation	Online
23.09.2026 – Wed	Advanced Materials & Nanotechnology	Online

5 Eligibility & Resource Persons

WHO SHOULD ATTEND

HEI faculty and research scholars working anywhere in India are eligible to register.

RESOURCE PERSONS

Experts and eminent personalities from IITs, NITs, premier institutions and industry.

PREREQUISITES FOR HANDS-ON ACTIVITIES

- A functional laptop / desktop with active internet connection
- A working webcam, microphone and Google account

BENEFIT

The 6-day STP shall be taken into consideration for CAS.

6 How to Apply



NO REGISTRATION FEE

Register on or before 16.09.2026

G-Form: forms.gle/8sFtRbGXpo9z7iaV8 | CIT: cit.edu.in/others/mmttc

MMTTC: mmc.ugc.ac.in | Scan the QR code to register instantly

7 Guidelines & Certification

- ✓ Number of participants is limited to 60
- ✓ Selected participants will be intimated by e-mail
- ✓ Upload the permission letter, duly signed by the Head of the Institution / Director
- ✓ All lectures will be delivered online
- ✓ There will be an assessment test consisting of multiple-choice questions (MCQs)
- ✓ Only participants who successfully complete the 6-day programme and pass the evaluation test will be eligible to receive the certificate

8 Institute & Programme Leadership

Institute Administration

Mr. R. Santossh — Managing Trustee / Chairman / Correspondent, CIT

Dr. A. Rajeswari — Principal, CIT

Contact Details

Dr. V. Manikandan — Programme Director, MMTTC

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Mmttc2026cit@gmail.com

Department of Chemical Engineering

Dr. M. Thirumarimurugan — Professor & Head

Course Coordinators

Dr. M. Thirumarimurugan — Professor & Head

Dr. B. Uma Maheswari — Associate Professor

Ms. Jennifer Charles — Assistant Professor

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