About NIT-T

The National Institute of Technology Tiruchirappalli (formerly known as Regional Engineering College, Trichy) is situated in the heart of Tamil Nadu on the banks of river Cauvery. Since its inception in 1964, it has established itself as a premier institute imparting quality technical education and engaged in research and development in different fields. The institute offers 10 Undergraduate programmes and 31 Post Graduate programmes in Science, Engineering & Technology, besides M.S. (by Research) and Ph.D. in all the departments.

About DEE

DEE (formerly known as CEESAT) was established in 1995 under the UK-India REC project. MTech. (Energy Engineering), an interdisciplinary full-time programme is offered since 1996. The R&D activities of DEE include CO2 capture and sequestration, effluent treatment using solar energy / phyco-remediation, energy modelling, energy efficient building and energy storage devices. The department also offers consultancy services on solid and liquid testing, calibration and energy auditing to other academic institutes and industries. The testing labs of the DEE are certified with ISO 9001:2008.

Convener

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NATIONAL INSTITUTE OF TECHNOLOGY TIRUCHIRAPPALLI

Self-Sponsored One week Workshop on

Electrical Vehicles & Energy Storage Technologies

24th -28th March 2025

Organized by

Department of Energy and Environment

OBJECTIVES

- Sustainable tranformation of energy eco system with smart technologies
- Comprehensive inputs with design, architecture, operation of ES & EV

SCOPE

- Battery-EV integration
- Battery Charger for EV
- Controllers And Convertors
- Energy storage technologies issues & opportunities.
- Battery Management System
- AI for ES and EV
- Advances in ES and EV
- Career opportunities in ES&EV

TOPICS COVERED

- Need of EV, Energy Storage in Indian and World Scenario, Policies, Subsidies and Economics
- EV Mechanical Design
- Design Thinking in Engg
- Battery Management Systems
- EV Electrical Design
- Hydrogen Storage and Utilisation
- Thermal Management of Batteries using PCM and Nanofluids
- Power Converters for EV
- Design of EV Battery and Charger
- Energy Storage Issues and Oppurtunities in EV Battery
- Solar - PV Based EV Charging and Its Trends and Challenges
- Simple Capacitors to Hybrid Supercapacitors: An Overview
- Bio Waste As Electrode Materials for Li-Ion Batteries

Who can attend?

Students, scholars, academician, Industrialpersonnel

Maximum no. of participants: 100

Registration link: https://tinyurl.com/evestech25

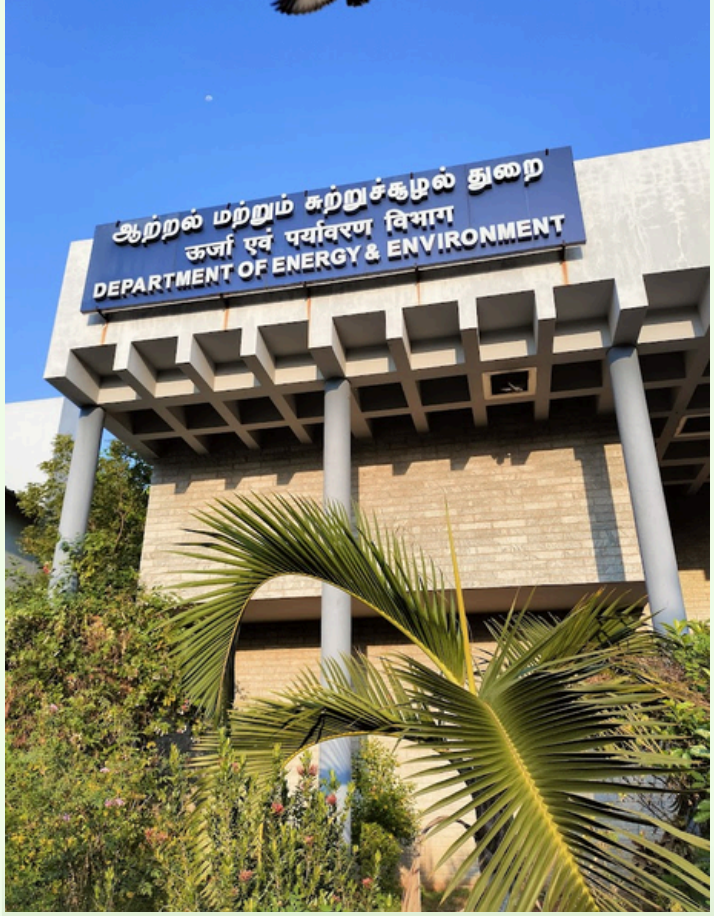
Payment Details/Procedure:

Step1: Go to Sbi Collect
Step2: Education Institutions
Step3: Conference And Workshop Nit Trichy
Step4: Payment Category

Category	Student/ Scholar	Faculty	Others
Single	1500	3000	3500
Group (3)	4000	8000	10000
Group (5)	6500	13000	16000

Last date of registration:

March 24th, 2025.



Vision

To meet the industrial and domestic need of energy in an environmentally benign manner by developing technical human resource and technology

Mission

- To create awareness among the public for economic use of energy.
- To create the necessary environment for the participants to update the analytical, technical, management and creative skill to meet the challenge in energy.
- To develop adaptable technology through research and implement through consultancy and other services.
- To test and evaluate the performance of energy devices.
- To fulfill the energy demand by environmentally benign energy for sustainable growth of nation.