

About NITT

The National Institute of Technology (formerly known as Regional Engineering College) Tiruchirappalli, situated in the heart of Tamil Nadu on the banks of river Cauvery, was started as a joint and co-operative venture of the Government of India and the Government of Tamil Nadu in 1964 with a view to catering to the needs of man – power in technology for the country. The Institution was granted as Deemed University with the approval of the UGC/AICTE and Govt. of India in the year 2003 and renamed as National Institute of Technology.

About DEE

CEESAT was established in 1995 under the UK India REC project and transformed to DEE in 2014. M.Tech (Energy Engg.) an interdisciplinary full time course is offered since 1996 onwards. The research activities of DEE include in the fields of CO₂ sequestration using microalgae, effluent treatment using solar energy / phyco-remediation, energy modeling, wind energy, Solar PV/ Thermal systems, energy efficient building and energy storage devices. Apart from research, the department offers consultancy services which includes 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. The department is equipped with the required instruments for carrying out the energy audits in process industries, hospitals & power sectors. The department is committed to convert its research into a real time technology transfer to the society and industry were it meet out its ultimate objective.

Application Form

Name : Ms./Mr./Dr.

Designation :

Date of birth & Age :

Email :

Mobile No :

Accommodation required : Yes / No

Official Mailing Address :

Are you appearing for Energy Auditor Exam 2016: Yes /No

Date:

Signature:



One Week Self-Sponsored Program on

ENERGY MANAGEMENT AND ENERGY AUDIT

1st Aug 2016 – 5th Aug 2016



**Department of Energy & Environment (DEE)
National Institute of Technology
Tiruchirappalli-620015**

Objectives:

- Assessing the present pattern of energy consumption
- Identifying the potential area for improvements on thermal and electrical utilities
- Implementing the measures of energy conservation
- Enable the participant to carry out energy auditing in a systematic manner.

Contents:

- General aspects of Energy Management and Energy Audit
- Energy Efficiency in Thermal and Electrical Utilities
- Energy Performance Assessment for Equipment and Utility System
- Hands on Training: Energy Auditing instruments like lux meter, Anemometer, thermal imaging camera, power quality analyzer to measure light, temperature, humidity, velocity and electrical parameters.
- Evaluation of Participant

In this program participant will learn about

1. Technology for Energy Efficiency
2. Monitoring of Energy Use
3. Conducting Energy Audit
4. Aligning Operational Strategy with Energy Efficiency
5. Minimizing Energy Wastage

Target Participants:

Industrial personnel, Academicians, Scientists, Students and Research scholars, NGO and Interested persons.

Important Dates:

- Last Date of Registration : 26^h Jul. 2016
 Confirmation for participants : 27nd Jul. 2016
 Number of external participants : 30

(Selection will be based on first cum first served basis and experience)

How to Apply:

Applicants are requested to send the soft copy of the filled in registration form by email (ceesat.events@gmail.com).

Course Fee- Participants from academic institutions = **Rs.2500 /- +14.5 % Service tax**
 Participants from industries = **Rs.5000 /- + 14.5 % Service tax**

The Demand draft should be drawn in favor of “**The Director, NIT Trichy**”

Payable at Trichy. The course fee (DD) can be send along with the application form to **Dr.M.Premalatha, HoD, Department of Energy and Environment (CEESAT), NIT, Trichy 620015.**

Accommodation will be arranged inside campus on first cum first served basis based on availability on paid basis.

Lunch and tea will be provided

Worksheets / soft copy of learning materials will be provided.

Exam will be conducted and certificates will be issued at the end of the program

Co-ordinator:

Dr.M.Premalatha

Contact Details:

- Mr. P.Dhamodharan - Mob: 97891-16357
 Mr. Vivekanandan - Mob: 98424-83034

Experts	Topic of Lecture
General Aspects of Energy Management and Energy Audit	
Dr. V. Gopalakrishnan, ED (Retired), BHEL.	Boiler Maintenance and Project Management
Mr.Kannan, AMSET Energy, Chennai.	Energy Scenario, Energy Conservation Act, Energy Action Planning, Energy Monitoring and Targeting
Dr.B.Senthil Arasu, Associate Professor, Department of Management Studies, NIT, Trichy.	Financial Management
Dr. N. Anantharaman, Professor (HAG), Chemical Department, NIT, Trichy.	Basics of Energy, Material and Energy balance and Energy efficiency
Energy Efficiency in Thermal Utilities	
Dr. A.K. Bakthavatsalam, Professor of Energy and Head T&P, NIT, Trichy.	Steam Engineering
Dr.M.Premalatha, Associate Professor, HoD, DEE, NIT, Trichy.	Furnace, Insulation and refractories Climate Change, New and Renewable energy sources
Mr.Vivekanandan, DGM-(R&D), Uttam Industrial Engineering, Trichy.	Fuels and Combustion, Boiler, FBC Boilers Heat Exchanger
Mr. M. Prakash, Associate Vice President, EID Parry Ltd., Pugalur Sugar Industries, Karur.	Cogeneration Waste heat recovery
Energy Efficiency in Electrical Utilities	
Mr.Govindaraj A, Principal Consultant Eco Energime Engineers LLP, Bangalore.	Electrical system and motor Lighting system
Mr. Anantharaman, GM – (Fans), (Retd.), BHEL, Trichy.	Compressed Air System Fans & Blower Pumps & Pumping system
Mr. Manivannan, Asst.Manager, L&T, Chennai.	Energy conservation in buildings HVAC and Refrigeration and Cooling Towers Diesel generating system