

SCOPE AND OBJECTIVE

With many sources of renewable energy resources available with us, still the gap in demand and supply is increasing. This workshop aims at imparting the scientific and research oriented knowledge of utilisation techniques of renewable energy resources. This course will cover the various renewable energy sources, solar energy, phase change materials, nano-coating, instrumentation, bio-fuels and the status of R&D in this field in India. This workshop will have a real impact among the researchers and student community in the area of renewable energy sources and its applications.

COURSE CONTENTS

- Research scope in renewable energy resources
- Selection of solar concentrating collectors and impact of solar radiation on solar systems
- Nanotechnology in renewable energy utilisation
- Instrumentation for energy harvesting techniques
- Status of R&D of renewable energy resources in India
- Grid integration of wind driven generators
- Phase change materials, TEG and solar desalination
- Solar refrigeration
- Nanofluid for solar collectors
- Thermal analysis (DSC, TGA and thermal conductivity)

FACULTY

Lectures will be delivered by resource persons from NITs, and Research Organisations.

ELIGIBILITY

Faculty members from Technical Institutions, Research Scholars, PG Students, Professionals working in Industry and Government Organizations are eligible to attend the course.

REGISTRATION DETAILS:

The participants are requested to fill in the registration form (downloadable from the institute website, www.nitt.edu), approved by the concerned authorities and send it to the Workshop Coordinators along with the **Demand Draft for Rs.440** drawn in favour of “**The Director, NIT Trichy**”, payable at SBI, NIT, Tiruchirappalli so as to reach us on or before 03.06.2016

The participants are also requested to confirm their participation in the workshop by sending an e-mail to any of the coordinators on or before 03.06.2016

Registration fee includes: Food and Course Material

Accommodation will be provided in the institute hostel/guest house on payment basis.

No TA/DA will be paid to the participants.

IMPORTANT DATES

Last date for receiving application

03.06.2016

Intimation of selection (By email only)

04.06.2016

Workshop on

UTILISATION TECHNIQUES OF RENEWABLE ENERGY SOURCES

06 - 09, JUNE 2016

Sponsored by

Technical Education Quality Improvement
Programme (TEQIP-II)

Workshop Coordinators

Dr. S. Suresh
Dr. S. Venkatachalapathy
Dr. V. Mariappan



Organized by

Department of Mechanical Engineering

National Institute of Technology
Tiruchirappalli - 620 015, Tamil Nadu

REGISTRATION FORM

Short Term Course on UTILISATION TECHNIQUES OF RENEWABLE ENERGY SOURCES

(Sponsored by TEQIP-II)

06.06.2016 – 09.06.2016

Name :

Qualification :

Designation :

Gender (M/F) :

Department :

Organization :

Mailing Address:

Phone :

Email :

Accommodation Required (Y/N) :

Details of Registration Fee

Amount: DD No. :

Date:

Bank Name & Place:

DECLARATION BY THE APPLICANT

The above mentioned information is true to the best of my knowledge and belief. I shall attend the course for the entire duration.

Signature of Applicant

SPONSORSHIP CERTIFICATE

Dr./Mr./Ms. _____ is an Employee/Research Scholar/P.G student of our Institute/Organization and sponsored to attend the short term course, if selected.

Place:

Date:

Signature and Seal of Sponsoring authority

ADDRESS FOR CORRESPONDENCE

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ABOUT THE INSTITUTE

National Institute of Technology (Formerly known as REC) Tiruchirappalli campus is spread over a sprawling 800 acres of land situated in the heart of Tamil Nadu on the banks of river Cauvery. It was started as a joint and cooperative venture of Government of India and Government of Tamil Nadu during 1964 with a view to catering to the needs of man power in innovative technology for the country. Now it has become a premier Institution of National importance and is known for its high standards in teaching and research.

ABOUT THE DEPARTMENT

Mechanical Engineering Department was established in the year 1964. It is one of the oldest and finest departments of NITT and has the reputation of being dedicated towards the development of new and innovative technologies. The department offers a program in Mechanical Engineering at B.Tech. level, Thermal Power Engineering, Industrial Safety Engineering at the M.Tech. level and M.S (by Research) and Ph.D programmes.

