About NIT Trichy

The National Institute of Technology (Formerly known as Regional Engineering College) Tiruchirappalli, situated in the heart of Tamil Nadu, 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 needs of man-power in technology for the country. The institute aims to provide valuable resources for industry and society through excellence in technical education and research.

About CEESAT

CEESAT, Centre for Energy & Environmental Science and Technology, was established in 1997 is among the premier research center engaged in exploring the various energy opportunities in the country. The centre aims in providing energy efficient technology to industry as well as to the domestic sector. Emphasis is given to the identification of appropriate technologies for the efficient production, distribution and use of energy.

UV/VIS/NIR SPECTROSCOPY

Model: Lambda 750.

Wavelength: 190-3300 nm.

Double-beam, double-monochromator design provides the highest stability coupled with the highest accuracy. Extension of the measurement range into the Near-IR region provides richer and complementary spectral information for compounds and materials.

Integrating spheres, in combination with UV/Vis/NIR spectrophotometers are versatile accessories for reflectance and scattered transmittance measurements for solid or liquid. Application areas range from surface characterization of solids to the photometric analysis of turbid, colloidal, transparent and translucent samples.

Typical uses encompass quality assurance testing and product development measurements on textiles, dyes, paper and glass. Also used to test total solar reflectance of paint panels.

FOURIER TRANSFORM INFRARED SPECTROSCOPY

Model: Spectrum Two

Wavenumber: 4000-350 cm⁻¹

FTIR spectrometers (Fourier Transform Infrared Spectrometer) are widely used in organic synthesis, polymer science, pharmaceutical industry, polymer dielectrics, inorganic thin films, descuming, patterning, photolitho metallization, plasma etching, petrochemical engineering, sputtering, food analysis and rapid qualification of nutraceuticals.

Also used in determination of oil content in membrane applied in compressed air sampling, hydrocarbons in environmental samples, estimation of oil and grease in water, biodiesel concentration measurements and analysis of bioethanol impurities.
PROGRAM DETAILS

Sessions will be handled by experts from leading institutes and M/S Perkin Elmer. Theoretical sessions will be followed by demonstration of the instruments.

Date to Remember
Deadline for submitting advance copy by mail: 1st September 2013.

Eligibility
Persons from Industries, academic and research institutions are eligible.

How to Register
Candidates have to register by sending an email to: ceesat.events@gmail.com
Total number of participants is restricted to 40. (First come first serve basis).

Registration Fee
Rs. 500 - Research scholars
RS.750-Teaching Staff
Rs. 2000 -Industrial Participants
Registration fee must be paid in the form of DD in favor of "The Director, NIT Trichy" payable at Trichy.

Organizing Committee
HOD, Faculty & Research Scholars, CEESAT, National Institute of Technology, Tiruchirappalli-620015.

Venue: CEESAT, NIT Trichy.

WORKSHOP ON
SPECTROSCOPIC ANALYSIS
OF SOLID AND LIQUID SAMPLES
5TH SEPTEMBER 2013

Organized by

Centre for Energy & Environmental Science And Technology (CEESAT)
National Institute of Technology
Tiruchirappalli – 620015.

&

Sponsored by

Perkin Elmer (India) Pvt. Ltd
India

REGISTRATION FORM

Workshop on
SPECTROSCOPIC ANALYSIS OF SOLID AND LIQUID SAMPLES
5TH SEPTEMBER 2013

Name:
Qualification:
Designation:
Department:
Organization:
Application (Sample Details):
Phone:
Email:

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 the Applicant
Signature from Head of the Institute with Seal
Place:
Date: