

Registration details

Eligibility

Teachers from colleges/universities and research/M.Phil scholars. Final year M.Sc students undergoing project work in relevant area can also participate. Limited participants shall be selected.

Registration procedure

Selected candidates can pay the registration fee on the spot. Candidates have to make their own arrangements for accommodation.

Registration fee

The registration fee for the course is Rs 500/-.

Address for communication

The coordinator, MSN 2014
Department of Physics
National Institute of Technology
Tiruchirappalli 620015

Email: msn2014@physics.org
Mobile: 99528 48153

Registration form

MSN 2014

31 Oct - 01 Nov 2014

Name:

Status: M.Sc/M.Phil/Ph.D/Teacher

Designation:

Qualification:

Institution:

Mailing address:

Email:

Mobile:

Research experience: ____

Area of research/project work:

Signature of the applicant

The completed registration form has to be submitted before 28 Oct 2014 by post and email.

Short term course on Magnetic and Semiconducting Nanomaterials (MSN2014)

31 Oct - 01 Nov 2014

Coordinators

Dr. A. Chandra Bose
Dr. N. Gopalakrishnan
Dr. R. Justin Joseyphus



Department of Physics
National Institute of Technology
Tiruchirappalli 620 015

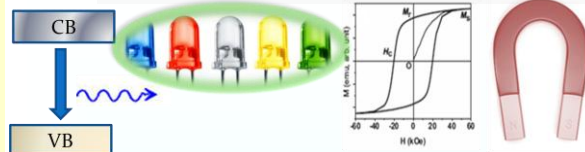
Web site: www.nitt.edu

About Department of Physics



The Department of Physics located, in the eastern wing of the administrative block of NITT is one of the major Departments, having 13 faculty members with wide research expertise. In addition to the basic Physics courses for B.Tech. students, the Department offers post-graduate programs namely, *M.Sc. in Physics*, *M.Tech. in Non-Destructive Testing* (in collaboration with BHEL, Trichy) and regular Ph.D. programs. Further, the Department has been supported by the DST-FIST program and TEQIP. The major facilities include Powder X-ray Diffractometer, Vibrating Sample Magnetometer and Transmission Electron Microscope.

About MSN 2014



The short term course on magnetic and semiconducting nanomaterials (MSN 2014) is conducted to impart knowledge on magnetic and semiconducting materials, their properties and characterization techniques for teachers, research scholars and students undertaking project work in relevant area. Incidentally this year's Nobel prize has been awarded in the area of semiconductors.

Topics to be covered

- Oxide semiconductors
- Thin films & Nanoparticles
- Optical properties
- Electrical properties
- Soft and Hard Magnetic Materials
- Applications of Magnetic Materials
- Spectroscopic characterization
- Microscopy of materials
- Advanced characterization techniques

The course shall focus on the fundamentals and applications with a special emphasis on nanomaterials. The coordinators shall be the main teachers.



National Institute of Technology Tiruchirappalli (NITT) is an Institute of National Importance under the Ministry of HRD, Govt. of India. Formerly known as Regional Engineering College, this institution was granted Deemed University Status in the year 2003 and renamed as National Institute of Technology. The institution offers under graduate and post graduate courses in twenty three disciplines of engineering, architecture, science and management, besides Ph.D. in all the departments.

How to reach NITT

NITT is located on the Tiruchirappalli - Thanjavur national highway (NH-67) about 18 km from Tiruchirappalli central bus stand and railway station. The approximate journey duration shall be 45 minutes.