About NIT Trichy

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 college has been conferred with autonomy in financial and administrative matters to achieve rapid development. Because of this rich experience, this institution was granted Deemed University Status with the approval of the UGC/AICTE and Govt. of India in the year 2003 and renamed as National Institute of Technology.

The institution offers Under Graduate Courses in ten branches and Post Graduate Courses in twenty one disciplines of Science, Engineering & Technology besides Ph.D. and M.S. (by research) in all the departments. The college is an example of cultural unity with students drawn from most of the states in the country. NITT is witnessing an exponential growth in R&D activities. Apart from a large consultancy work undertaken by our engineering departments, academic research gains its momentum day by day. Nearly 200 research scholars are undergoing their Ph.D. in various fields in all the departments. NITT has signed MOUs with industries and institutions in and abroad to promote collaborative research and consultancies.

Department of Mechanical Engineering

One among the first three departments to be established in 1964 in the institute, the Mechanical Engineering Department of NITT has had the reputation of being among the finest in the country and is dedicated towards the advancement of technology and science. Keeping itself up to date with the latest developments and trends in the field and with a dedicated faculty of highly qualified and experienced members in all streams of mechanical engineering, the department consistently strives to provide world class facilities for education and research. An interactive relationship is maintained between the students and staff which enable the students to develop a sound foundation in the stream in a conducive environment. This is also reflected in our campus placement which has been 100% year after year with our students getting placed in the top industrial houses of the country.

The department has an excellent industrial interaction and contributes to the industry by offering consultancy services. Some of them are: Heavy Alloy Penetrator Project (HAPP), Oil and Natural Gas Corporation (ONGC), Indira Gandhi Centre for Atomic Research (IGCAR), Neyveli Lignite Corporation (NLC) and Bharat Heavy Electricals Limited (BHEL) and its ancillaries.

Important Dates

- Last date for receiving applications: 22 April 2016
- Intimation to selection: 23 April 2016
- Mode of Intimation: Through Email only

TEQIP II Sponsored Workshop on Research Scopes in Micro Engineering

28 — 30 April 2016

Sponsored by Technical Education Quality Improvement Programme (TEQIP—II)

Workshop Coordinators

Dr. T. Ramesh
Dr. N. Siva Shanmugam
Dr. K. Sankaranarayanasamy

Organized by Department of Mechanical Engineering
National Institute of Technology, Tiruchirappalli
Tiruchirappalli — 620 015, Tamil Nadu
http://www.nitt.edu/home/academics/departments/mech
Workshop Objectives

Micro Engineering and Micro Electro Mechanical Systems (MEMS) have very few watertight definitions regarding their subjects and technologies. Micro Engineering can be described as the techniques, technologies, and practices involved in the realization of structures and devices with dimensions on the order of micrometers. The two constructional technologies of microengineering are microelectronics and micromachining. Microelectronics, producing electronic circuitry on silicon chips, is a very well developed technology. Micromachining is the name for the techniques used to produce the structures and moving parts of microengineered devices.

Workshop Contents

This workshop is organized with an objective of providing the fundamental basis of Micro Engineering and to discuss the research scopes in the following areas:
- Overview of basic Micro manufacturing processes
- Functional Nano Materials
- Bulk and Surface micromachining
- MEMS design, modeling and simulation
- MEMS-based sensors and actuators
- Micro/Nano Surfacing
- Micro/Nano coating
- 3D printing as Micro manufacturing
- Electronic Nose technology
- Practices on few micro fabrication processes

Resource Persons

Experts working in the area of MEMS/NEMS from IISc, IITs, NITs and Scientists from DRDO Labs.

Registration Details

The participants are requested to fill in the registration form (downloadable from the institute website, www.nitt.edu), approved by the concern authorities and send it to the Workshop Coordinators along with the Demand Draft for Rs. 330/- drawn in favor of “The Director, NIT Trichy”, so as to reach us on or before 22.04.2016.

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 24.04.2016.

The participants will be provided free boarding and lodging. Accommodation will be arranged in the NITT Hostels.

Registration Form

TEQIP II Sponsored Workshop on Research Scopes in Micro Engineering
28 — 30, April 2016

Name:___________________________________
Designation:______________________________
Name & Address of Organization_________________________________________
Phone no: (O)______________(R)_____________
Mobile:___________________________________
Email:____________________________________
Educational Qualification:___________________
Professional Experience:____________________
Cheque / DD No.___________Dated___________
for Rs. __________Drawn in favor of “The Director, NIT Trichy”.

Date:
Place:______________ Signature:

The Cheque/DD together with registration form should be sent to

Dr. T. Ramesh & Dr. N. Siva Shanmugam
Workshop Coordinators
Department of Mechanical Engineering
National Institute of Technology
Tiruchirappalli — 620 015.
Tamil Nadu
Phone: 0431-2503418, 3425
Fax: 0431-2500133
Mobile: 9994339803, 9443649278
Email: tramesh@nitt.edu, nsiva@nitt.edu