

SPONSORSHIP CERTIFICATE

Mr/Mrs/Ms/Dr. _____

is an employee of our Institute / Organization is hereby sponsored and he / she will be permitted to attend the course in full, if selected.

Signature of the Sponsoring Authority with Seal

Date :

Place :

ADDRESS FOR CORRESPONDENCE

Dr. D. LENIN SINGARAVELU

Co-ordinator

Short Term Course on

Processing of Smart Materials

Department of Production Engineering

National Institute of Technology

Tiruchirappalli – 620 015, Tamil Nadu, India

Phone : 0431 – 2503522 Mobile : +91-9487069811

Fax : 0431– 2500133 Email : dlenin@nitt.edu

ELIGIBILITY

Faculties of Engineering/Science colleges, PG, Research Scholars and Practicing Engineers are eligible to attend. The number of participants is limited to 40.

REGISTRATION FEE

Application for participation in the workshop shall be sent to the coordinator as given in the attached format along with the registration fee of Rs.660/-for Academicians/Research Scholars and Industrial Participants in the form of D.D. drawn in favor of “**The Director, NIT, Tiruchirappalli-620015**” payable at **SBI, NIT TRICHY** Branch (Code -01617).

BOARDING AND LODGING

Limited accommodation will be provided to the participants in the Hostel/Guest house at NIT Tiruchirappalli. Participants who do not avail this facility will not be entitled to any rebate. Accommodation will be on twin sharing basis. Local Participants will not be provided accommodation. No TA/DA will be given to the participants.

IMPORTANT DATES

Last date for receiving Application : **04-07-2016**

Intimation of selection (By Email only) : **05-07-2016**

Additional registration forms may be photocopied or downloaded from the website www.nitt.edu

TEQIP– II Sponsored

SHORT TERM COURSE ON

Processing of Smart Materials

11th to 16th July, 2016



Co-ordinators

Dr. D. LENIN SINGARAVELU

Dr. V. SENTHIL KUMAR

Dr. K. PANNEERSELVAM



Organised by

DEPARTMENT OF PRODUCTION ENGINEERING

NATIONAL INSTITUTE OF TECHNOLOGY

TIRUCHIRAPPALLI – 620 015

TAMILNADU, INDIA

REGISTRATION FORM

TEQIP-II

SPONSORED
SHORT TERM COURSE
ON

Processing of Smart Materials

11th to 16th July, 2016

1. Name :
2. Designation :
3. Department :
4. Organization :
5. Mailing Address :

Cell :

Email :

6. Accommodation Required: Yes [] No []

7. Details of Registration Fee

DD No.:

Date :

Bank Name & Branch:

Signature of Applicant

Note: Please email us a soft copy of your duly filled application followed by a hard copy of the same to the above mentioned address.

COURSE OBJECTIVES

Primary objective of this course is to explore the novel researches in processing of smart materials by providing a common platform to interact with the experts in this field. The contents includes introduction to smart materials, types and categories, their end applications, recent developments, various processing methods, characterizations of smart materials and typical case studies. This course will be platform for providing clear cut ideas regarding the processing of smart materials to researchers who are working and planning to work in this field. This also helps to interact with the experts in this field of research.

COURSE CONTENTS

The following topics will be covered in the course :

- ◆ Introduction to Functional Materials
- ◆ Types , Applications and Case Studies
- ◆ Recent trends in Smart Materials and its Processing
- ◆ Development of Smart Materials
- ◆ Smart Polymeric Composites
- ◆ Smart Materials Characterizations
- ◆ Processing Functional Materials - Case Studies
- ◆ Laser Processing of Smart materials
- ◆ Machining of Smart Materials
- ◆ Shape Memory Alloys
- ◆ Modelling of Smart Materials

RESOURCE PERSONS

The resource persons for this course is from various institutions like IIT's, NIT's and Industries.

ABOUT THE INSTITUTE

National Institute of Technology (formerly known as Regional Engineering College) Tiruchirappalli, situated in the heart of Tamil Nadu on the banks of river Cauvery. It was started as a joint and co-operative venture of the Government of India and 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.

ABOUT THE DEPARTMENT

Department of Production Engineering was established in 1983 and offers B.Tech. (Production Engineering) M.Tech. (Manufacturing Technology, Industrial Engineering and Management), M.S. and Ph.D. programmes. The highly experienced faculties of the department contributes to the vital role in academic research. Many research articles have been published in reputed national, international journals and conferences by the faculties and students of the department. Government of India has recognised this Department as a Centre for Quality Improvement Programme for PG and Ph.D. courses.

TEQIP-II

The growth in Technical Education in India has not translated into any significant growth in the number of quality graduates due to restricted availability of qualified faculty and better teaching-learning and training facilities. Technical Education Quality Improvement Programme (TEQIP) was initiated to systemically transform the country's technical education system and make it globally competitive. TEQIP has been launched to function in three phases, with TEQIP II being the current phase.

HOW TO REACH NIT-TRICHY

NIT- Tiruchirappalli is located about 22 km from Tiruchirappalli Junction / Central Bus-stand on the Tiruchirappalli -Thanjavur Highway. The simplest and most economical way to reach NIT- Tiruchirappalli is by bus. Board Thanjavur bound mofussil or route bus and get down at NIT Trichy. The journey time from Tiruchirappalli will be around 40 minutes.