WORKSHOP SCOPE

The contemporary manufacturing systems are facing extreme market dynamism and product complexities. The management of various phases of product development cycle is a challenging task which stimulates the need for various time compression technologies. Rapid Prototyping technologies enable the generation of prototypes within short period of time. Some of the vital applications include design visualisation, functional testing and so on in the fields of automotive, aerospace and consumer electronics. Rapid tooling is also a fast emerging technology encompassing direct and indirect tooling methods. The fundamental concepts of prototyping, tooling and allied processes, their applications and challenges will be deliberated during the conduct of the workshop.

COURSE CONTENTS

- Overview on Product Development process
- Introduction to Rapid Prototyping and Rapid Tooling
- Concurrent Engineering
- TRIZ
- Rapid Prototyping techniques – SLA, SLS, FDM, 3DP, LOM, SGC
- Rapid Tooling Techniques – Direct and Indirect tooling
- Allied Process of Rapid Prototyping
- Demo on Packages for RP
- Scope for projects related to RP/RT
- Hands on experience on software packages

FACULTY

The course faculty includes resource persons from reputed institutions, industries and R&D organizations.

ELIGIBILITY

Teachers from technical institutions approved by AICTE and Research Scholars are eligible. Also participants from industry are eligible to attend the programme.

REGISTRATION FEE

Participants must pay a registration fee of Rs. 1000/-

The registration fee must be paid by DD in favour of “The Director, NIT, Tiruchirappalli-620015” and payable at State Bank of India, NIT, Tiruchirappalli.

Workshop kit and Working lunch will be provided.

IMPORTANT DATES

Last date for receiving Application: 22.2.2013
Intimation of selection : 1.03.2013
(By email only)
REGISTRATION FORM

Workshop on
RAPID PROTOTYPING AND
TOOLING TECHNIQUES

March 8-9, 2013

1. Name:
2. Gender (M/F):
3. Qualification:
4. Designation:
5. Department:
6. Organization:
7. Experience:
8. Mailing Address:
   Phone:
   Email:
9. Details of Registration Fee
   Amount:
   DD No.:
   Date:
   Bank name & Place:

Signature of the Applicant with Date

DECLARATION BY THE APPLICANT

The above mentioned information is true to the best of my knowledge and belief. I agree to abide by the rules and regulations governing the workshop. I shall attend the course for the entire duration.

Place:  
Date:  
Signature of Applicant

SPONSORSHIP CERTIFICATE

Dr/Mr/Ms.__________________________  
_____________________ an employee of our institution is hereby permitted to attend the workshop “Rapid Prototyping and Tooling Techniques” to be held at NIT, Trichy during March 8-9, 2013.

Place:  
Date:  
Signature and Seal of Sponsoring authority

Sponsoring application should be sent to the coordinator of the programme.

ADDRESS FOR CORRESPONDENCE

Dr.S.Vinodh  
Coordinator, Department of Production Engineering National Institute of Technology Tiruchirappalli – 620 015 Tamilnadu, India.  
Mobile : 9952709119  
Email:vinodh@nitt.edu, vinodh_sekar82@yahoo.com

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, 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.

ABOUT THE DEPARTMENT

The Department of Production Engineering is one of the best in the country. Established in the year 1983, the department strives towards excellence in the fields of manufacturing and industrial engineering. The vision of the department is to become a centre of excellence for learning, research and model manufacturing. It was declared as the best department of the institute for the year 2006-07. The Department of Production Engineering offers B.Tech. (Production Engineering) M.Tech. (Manufacturing Technology, Industrial Engineering & Management), M.S. and Ph.D. programs. The highly experienced faculty of the department contributes to the vital role in academic research. Many research papers have been published in reputed national/international journals and conferences by the faculty. Government of India has recognized this Department as a Centre for Quality Improvement Programme in PG and Ph.D. courses.

HOW TO GET TO 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 route bus and get down at NITT. The journey time from Tiruchirappalli will be around 45 minutes.