



Short Term Course on

**RESPONSIVE AND
SUSTAINABLE
PRODUCT
DEVELOPMENT
STRATEGIES**

Under
Self Finance Category

March 27-28, 2015

Organised by

Department of Production Engineering
National Institute of Technology
Tiruchirappalli – 620 015
Tamil Nadu, India

Course Coordinators

Dr.S.Vinodh & Dr.P.Senthil
Department of Production Engineering
National Institute of Technology
Tiruchirappalli – 620 015
Tamil Nadu, India

SCOPE OF THE COURSE

Increasing competitiveness necessitates the development of products quickly in accordance with dynamic customer requirements and also the products are expected to be environmentally friendlier. This situation demands product development process to be responsive and sustainable. Responsiveness could be improved with the usage of time compression technologies Concurrent Engineering and agile concepts. Sustainability could be induced in product design by minimizing the environmental impacts using Life Cycle Assessment and Design for Environment principles. Demonstration on Software packages, prototyping technology and Proven case studies on responsive and sustainable product development will be presented. The scope of projects and research avenues in the course topics also will be deliberated during the conduct of the course.

COURSE CONTENTS

- Need for responsive and sustainable product development
- Rapid Prototyping technologies
- Concurrent Engineering
- TRIZ
- Design for Manufacture and Environment
- Quality Function Deployment
- Life Cycle Assessment
- Case studies on development of responsive and sustainable products
- Demonstration on Software utilities for responsive and sustainable products
- Projects and Research avenues on responsive and sustainable product development

FACULTY

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

ELIGIBILITY

Teachers from technical institutions approved by AICTE, Research Scholars and Post Graduate students are eligible. Also participants from industry are eligible to attend the programme. Maximum number of participants is limited to 50.

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.

Course kit and Working lunch will be provided.

IMPORTANT DATES

Last date for receiving Application: **13.3.2015**

Intimation of selection : **16.3.2015**
(By email only)

REGISTRATION FORM

Short Term Course on **RESPONSIVE AND SUSTAINABLE PRODUCT DEVELOPMENT STRATEGIES**

March 27-28, 2015

1. Name:
2. Gender (M/F):
3. Qualification:
4. Designation:
5. Department:
6. Organization:
7. Experience:
8. Mailing:
Address

- Phone:
- Email:
9. Accommodation Required: Yes/No

10. Details of Registration Fee
Amount: DD No.:
- Date :
- Bank name & Place:

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 course. 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 Short Term Course on “**Responsive and Sustainable Product Development Strategies**” to be held at NIT, Trichy during March 27-28, 2015.

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_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.