TEQIP Sponsored

Short Term Course on ADDITIVE MANUFACTURING AND RAPID PRODUCT DEVELOPMENT TECHNOLOGIES
December 26-31, 2016

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

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

WORKSHOP SCOPE
Additive Manufacturing technologies facilitates the conversion of 3D design data into products by layer deposition. Additive Manufacturing has tremendous applications in sectors such as automotive, aerospace, defense, consumer electronics and so on. This course will focus on fundamentals of Additive Manufacturing Technologies for ensuring rapid product development. Recent trends in Additive Manufacturing such as 3D Printing, Hybrid, Bio Additive Manufacturing, Metal Additive Manufacturing and Industrial applications of Additive Manufacturing will be deliberated. Additive Manufacturing applications for micro manufacturing also will be discussed. 3D Printers will be demonstrated. Software modules of Rapid Product development and research avenues on Additive Manufacturing also will be presented.

COURSE CONTENTS
- Overview on Product Development process
- Introduction to Rapid Prototyping and Rapid Tooling
- Hybrid Bio Additive Manufacturing
- Metal Additive Manufacturing
- Rapid Prototyping techniques – SLA, SLS, FDM, 3DP, LOM, SGC
- Rapid Tooling Techniques
- Product Lifecycle Management
- Demo on Packages for RP
- Industrial Applications of Additive Manufacturing
- Manufacturing Process Innovation
- Hands on experience on Rapid Prototyping Modules

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 PG students are eligible. Also participants from industry are eligible to attend the programme.

REGISTRATION FEE
Participants must pay a registration fee of Rs. 660/- (Inclusive of Service Tax)

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 Food will be provided during the Course. Free accommodation will be provided for outstation participants during the course.

IMPORTANT DATES
(By email only)
REGISTRATION FORM

Short Term Course on
ADDITIVE MANUFACTURING
AND RAPID PRODUCT
DEVELOPMENT
TECHNOLOGIES
December 26-31, 2016

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/student of our institution is
hereby permitted to attend the workshop
“ADDITIVE MANUFACTURING AND
RAPID PRODUCT DEVELOPMENT
TECHNOLOGIES” to be held at NIT, Trichy
during December 26-31, 2016.

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 Tamil Nadu, India.
Mobile : 9952709119
Email : vinodh@nitt.edu

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Coordinator, Department of Production
Engineering National Institute of Technology
Tiruchirappalli – 620 015 Tamil Nadu, India.
Mobile : 9952709119
Email : vinodh@nitt.edu

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.

REACHING 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.