



Workshop on

Emerging applications of System Modeling and Simulation

Under

Technical Education Quality Improvement Programme (TEQIP-II)

February 23-25, 2017

Organised by

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

Course Coordinators

**Dr S. Prasanna Venkatesan &
Dr S. Kumanan**

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

WORKSHOP SCOPE

In an increasingly competitive world, simulation has become a very powerful tool for the design and analysis of complex processes & systems. Simulation is viewed as an indispensable problem solving methodology for engineers, designers and managers. This three day workshop aims to impart knowledge on the state of the art in system simulation and its applications. The course is planned with theory as well as training sessions on simulation modelling.

COURSE CONTENTS

- Simulation of Manufacturing system
- Supply chain simulation
- Simulation of Transportation systems
- Simulation in Health care and service
- Simulation in Mining
- Practical session on simulation using softwares like spreadsheet (Excel), Flexsim, Witness etc.,

SYSTEM SIMULATION: The technique of imitating the behaviour of some situation or system (Economic, Mechanical etc.) by means of an analogous model, situation, or apparatus, either to gain information more conveniently or to train personnel”.

FACULTY

The course faculty includes resource persons from leading industries (Larvik Engineering Consultants-Mumbai, Commercial Consultancy Services-Bangalore) and academics.

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 Non-refundable registration fee of Rs. 330/. Free accommodation (in students' hostel), breakfast and dinner will be provided for outstation participants. No TA/DA will be provided for the participants.

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.

Note: Number of participants is limited to 30. Candidates will be selected on first come first serve basis.

IMPORTANT DATES

Last date for receiving Application:
20.02.2017

Intimation of selection: **21.02.2017** (By email only)

REGISTRATION FORM

Workshop on

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February 23-25, 2017

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:

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 sponsored to attend the workshop “**Emerging applications of System modeling and Simulation**” at NIT, Trichy during February 23-25, 2017.

Place:

Date: *Signature and Seal of Sponsoring authority*

The duly sponsored application with DD should be sent to the coordinator of the programme.

ADDRESS FOR CORRESPONDENCE

Dr. S. Prasanna Venkatesan

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ABOUT THE INSTITUTE

National Institute of Technology, Tiruchirappalli is a centrally funded technical institute under the direct purview of the Ministry of Human Resource Development. The institution offers Under Graduate Courses in ten branches and Post Graduate Courses in twenty one disciplines of Science, Engineering & Technology besides MS and Ph.D. in all the departments.

ABOUT THE DEPARTMENT

The Department of Production Engineering is established in the year 1983. The Department offers B.Tech. (Production Engineering), M.Tech. (Manufacturing technology), M.Tech (Industrial Engineering and Management) , M.S. and Ph.D. programmes. State-of-the-art laboratories are available in the areas of Simulation, Operations Management, Ergonomics, Machining, Forming, Welding, Robotics, CIM, CNC, Mechatronics, Tribology and composite materials. The Department offers engineering consultancy in the areas of design, manufacturing and resource management.

HOW TO GET TO NIT-TRICHY

NIT, Trichy is located on the Trichy-Tanjore highway about 20 kms from Central Bus Stand (CBS). One can avail bus no. 128 or Tanjore bounded buses from the CBS to reach NIT-T. The journey takes about 40 minutes from CBS to NIT-T.