## ABOUT THE INSTITUTE

National Institute of Technology, Tiruchirappalli is a deemed university under the control of Ministry of Human Resource Development, Government of India. It is located about 22 kms from Tiruchirappalli on the Thanjavur National Highway. The institution offers Under Graduate Courses in ten branches and Post Graduate Courses in twenty three disciplines of Science, Engineering & Technology besides Ph.D in all the Departments.

## ABOUT THE DEPARTMENT

Instrumentation and Control Engineering and Chemical Engineering Departments are established for the last several years. The department currently offers a B.Tech. Program in Instrumentation and Control Engineering & Chemical Engineering and P.G Program in Process Control and Instrumentation, M.S. (By research) and Ph.D. Programme. The departments were accredited by N.B.A. We aim at producing talented instrumentation and control specialists who cater to the needs of the modern industries. We have highly modernized laboratory facilities for the academic and research activities. The faculty members are having sponsored research projects from DST, MHRD, United Kingdom India Education and Research Initiative (UKIERI), ISRO, ARDB etc. The departments have full fledged laboratories to carry out undergraduate, postgraduate and doctoral programmes in the field of Instrumentation and Control Engineering. The state-of-the-art facilities provided enable students to carry out research in the areas of MEMS, Smart Structures, Control of Electromechanical systems and Process Control.

**Recently the Industrial automation lab was established recently for worth of Rs.50 Lakhs funded by DST, FIST and MHRD. The facility includes different process test rigs, PLC and DCS.**

## COURSE OBJECTIVES:

The objective of course is to impart in depth knowledge in control Engineering

## COURSE COVERAGE

The topics proposed to be covered are as follows:

- Instrumentation for Process Industries
- System Identification
- Process Control-
  - ✓ PID Controller
  - ✓ Model Predictive Controller
- Case Studies
- Research Presentation
- Industrial visit

Course material:

The course material will be provided in CD format for the benefit of participants.

**DEPARTMENT OF INSTRUMENTATION AND CONTROL ENGINEERING**
**&**
**DEPARTMENT OF CHEMICAL ENGINEERING**
**NATIONAL INSTITUTE OF TECHNOLOGY**
**TIRUCHIRAPPALLI - 620 015**

**WORKSHOP REGISTRATION FORM**

## "PROCESS INSTRUMENTATION AND CONTROL"

**(04-07-2016 TO 09-07-2016)**

1. Name:
2. Date of Birth:
3. Designation:
4. Institution:
5. Address for correspondence:

Phone:
E-mail:
6. Educational qualifications:
7. Experience (in years):
8. Demand Draft Details:

9. Accommodation Required: Yes/ No

**Declaration**

The information provided is true to the best of my knowledge. If, selected, I agree to abide by the rules and regulations of the course and shall attend the course for the entire duration. I also undertake the responsibility to inform the Coordinator in case, I am unable to attend the course.

Place:
Date: Signature

## SPONSORSHIP CERTIFICATE

**Dr./Mr./Mrs./Ms.**---------- is an employee of our institute and is hereby sponsored to participate in the "**Process Instrumentation and Control" Workshop.**

Place: Signature of Head of Institute
Date: (With Seal)

### REGISTRATION

**Registration Fee: Rs 660/- per participant**

With a view to give individual attention to the participants and to make the program more effective, the number of participants is restricted to 40. The registration fee includes workshop kit, lunch and refreshment for all days.

Free accommodation for limited number of participants will be arranged in the institute hostels / guest house on first come first serve basis.

The registration fee must be paid by DD in favour of "The Director, NIT, Tiruchirappalli-620015" and payable at SBI, NIT, Tiruchirappalli.

### ELIGIBILITY

The programme is open to the Engineering faculty and Industry persons.

### RESOURCE PERSON

The faculty members from NIT Trichy and other reputed institutes.

### IMPORTANT DATES

Last date for Receipt of application: **20-06-2016**
Acceptance Notification : **25-06-2016**

Application and Sponsorship certificate should be neatly typed & dully filled and send to

**Dr. K. Srinivasan**
Co-ordinator
Department of Instrumentation and Control Engineering
National Institute of Technology
Tiruchirappalli - 620 015
Tamil Nadu, India
Email:nsknitt@gmail.com. srinikkn@nitt.edu
Phone: 0431-25033 62/63
(09486001137/09443661591/09486001128)

**For latest updating Please see website URL: http://www.nitt.edu**

# NATIONAL INSTITUTE OF TECHNOLOGY

## TIRUCHIRAPPALLI - 620 015

## TAMILNADU

## "PROCESS INSTRUMENTATION AND CONTROL"

**(SPONSORED BY TEQIP II)**

**(4-7-2016 TO 9-7-2016)**

**Coordinators**
**Dr. N. Sivakumaran**
**Dr. T. K. Radhakrishnan**
**Dr. K. Srinivasan**

Organized by

**DEPARTMENT OF INSTRUMENTATION & CONTROL ENGINEERING**

**AND**

**DEPARTMENT OF CHEMICAL ENGINEERING**