

## 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 and Post Graduate Courses in Science, Engineering & Technology besides Ph.D in all the Departments.

## ABOUT THE DEPARTMENT

The department of Instrumentation and Control Engineering was established in the year 1993. The department currently offers a B.Tech. Program in Instrumentation and Control Engineering M.S. (By research) and Ph.D. Programme. 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 funded by DST, FIST and MHRD. The facility includes different process test rigs, PLC and DCS.

## COURSE OBJECTIVES

The objective of this workshop will focus on emerging process control paradigm that offers more robust and reliable process operation at any scale. In integrated design and control, the structural and parametric decisions regarding process and its control system are decided simultaneously, leading to economic benefits and improvements in the control performance.

## COURSE COVERAGE

The course coverage will have highlights of process design, control structure selection, controllability analysis, and controller design and its integration

- Fundamentals of Plant wide control.
- Plant wide control - Case Studies.
- Optimization techniques in process design and control applications.

Resource person:

1. Dr. Ravindra Gudi, Professor, IIT Bombay.
2. Dr. Nitin Kaistha, Professor, IIT, Kanpur.

## DEPARTMENT OF INSTRUMENTATION AND CONTROL ENGINEERING

NATIONAL INSTITUTE OF TECHNOLOGY  
TIRUCHIRAPPALLI - 620 015

WORKSHOP REGISTRATION FORM

## INTEGRATED PROCESS DESIGN AND CONTROL

(02-02-2017 to 04-02-2017)

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
10. Area of research:

## 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 “**Integrated process design and control**”  
**Workshop.**

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

## REGISTRATION

Registration Fee: Rs. 330/-

Free Accommodation will be arranged in the  
institute hostels / guest house for limited  
number of participants. Initial Registration  
should be send to address.

On reception of selection confirmation  
email from the course organizer, participants  
are requested to send the registration form and  
non -refundable DD.

The registration fee must be paid by DD in  
favour of “The Director, NIT Tiruchirappalli-  
620015” and payable at SBI, NIT,  
Tiruchirappalli (code 1617).

## ELIGIBILITY

The programme is open to the Engineering  
faculty and Industry persons. No .of participants  
are restricted to 20 (including internal  
participants).

## RESOURCE PERSON

Eminent Professors from IIT Bombay, Kanpur,  
Madras, NIT, Trichy, CDAC, Trivandrum and  
other reputed Organizations



## IMPORTANT DATES

Last date for Receipt of application: **13-01-2017**

Acceptance Notification : **17-01-2017**

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

**Dr. S. Narayanan**

**Dr. N. Sivakumaran**

Co-ordinator

Department of Instrumentation and Control  
Engineering

National Institute of Technology

Tiruchirappalli - 620 015

Tamil Nadu, India

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**For latest updating Please see website**

**URL: <http://www.nitt.edu>**

**NATIONAL INSTITUTE OF TECHNOLOGY  
TIRUCHIRAPPALLI - 620 015  
TAMILNADU**

**INTEGRATED PROCESS DESIGN AND  
CONTROL**

**(SPONSORED BY TEQIP II)**

**(02-02-2017 TO 04-02-2017)**



**Coordinators**

**Dr. S. Narayanan**

**Dr. N. Sivakumaran**

Organized by

**DEPARTMENT OF INSTRUMENTATION &  
CONTROL ENGINEERING**