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 above 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 Department was established in the year 1993. The department currently offers a B.Tech. Program in Instrumentation and Control Engineering, P.G Program in Process Control and Instrumentation in collaboration with the Chemical Engineering Department, M.S. (By research) and Ph.D. Programme. The department was accredited by N.B.A and sponsored under DST-FIST. 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 department has 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. The recently the

Industrial automation lab was established recently for worth of 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:

- Overview of Sampled Data Control System (SDCS)
- Design of digital control algorithm
- Advancement in PID controller design
- Model Predictive Control
- Introduction stochastic processes
- Next Generation controller design
- Soft computing techniques for modelling and Control
- Hands on experience using simulation software
- Research Presentations

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

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

WORKSHOP REGISTRATION FORM
“ADVANCED CONTROL ENGINEERING
(ACE-2015)”
(9-10-2015 TO 10-10-2015)

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.-----------------------------
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is an employee of our institute and is hereby sponsored to participate in the Advanced Control Engineering (ACE – 2015) Workshop.

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

REGISTRATION
Participants from Academic Institutions: Rs.1200/-
Industries/R&D Organization: Rs 2750/-
(Registration fee includes 20% institute overheads)

The registration fee must be paid by DD in favour of “The Director, NIT, Tiruchirappalli-620015” and payable at SBI, NIT, Tiruchirappalli.
(Registration fee includes course material in CD, Working lunch, Tea and snacks in morning and evening)

ACCOMMODATION AND TRAVEL
Accommodation and boarding if required will be provided in the institute campus on twin sharing and chargeable basis. (Rs. 300/- per day per person)

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: 30-09-2015
Acceptance Notification: 1-10-2015

Application and Sponsorship certificate is neatly typed & dully filled and send to

Dr. K. Srinivasan
Co-ordinator – ACE 2015
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
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For latest updating Please see website
URL: http://www.nitt.edu

NATIONAL INSTITUTE OF TECHNOLOGY
TIRUCHIRAPPALLI - 620 015
TAMILNADU

“ADVANCED CONTROL ENGINEERING (ACE -2015)”
(9-10-2015 to 10-10-2015)

Coordinators
Dr.N.Sivakumaran
Dr.K.Srinivasan

DEPARTMENT OF INSTRUMENTATION & CONTROL ENGINEERING