NIT-TIRUCHIRAPPALLI OVERVIEW

The National Institute of Technology, Tiruchirappalli (NIT-T), formerly known as Regional Engineering College, Tiruchirappalli (RECT) is one of the technical institutes started by the Government of India. In 2003, the institution has been granted 'Deemed to be University' status with the approval of UGC/AICTE. With a cream of engineering and management talent, encompassing exuberant students and inspiring faculty, integrated with State-of-the-art infrastructure facilities, NIT-T today has emerged as one of the premier institutions in the country.

INSTRUMENTATION AND CONTROL ENGINEERING

Department of Instrumentation and Control engineering provides high quality education which inspires the students to realize their aspiration and potential. The vision of the department is to constantly strive to make it a world class school in Instrumentation and Control Engineering. The curriculum is being updated regularly with inputs from industries and reputed educational institutions. The department with its state of the art laboratories, as well as young and dynamic faculty is involved in providing quality education at both UG and PG levels.

PRODUCTION ENGINEERING

Production engineering is a professional practice of manufacturing technology with management science. The goal is to accomplish the manufacturing processes effectively and efficiently. The curriculum of Production engineering encompasses the contents with engineering materials, casting technology, machining technology, physical and mechanical joining processes, tool engineering, metrology, manufacturing systems, automation and Rapid manufacturing. In a typical industry, once the design is realized, production engineering concepts regarding work-study, ergonomics, operation research, tooling, etc., play an important role.

NATIONAL INSTITUTE OF TECHNOLOGY TIRUCHIRAPALLI 620015

FACULTY DEVELOPMENT PROGRAMME
ON

INDUSTRIAL PROCESS AUTOMATION
(IPA – 2019)

(02-08-2019 - 08-08-2019)

AICTE MARGADHARSHAN SCHEME

CO-ORDINATORS

Dr. S. Kumanan
Dr. N. Sivakumaran
Dr. K. Srinivasan

Course Objectives

Objective of the course is to provide knowledge of the latest state of art of technology in the field of Wireless/IoT/Cloud based industrial automation. Resource persons will be contributing their valuable insights on the above topics. Hands on training in subjects of Industrial IoT, PLC, DCS as well as process test rigs shall be provided.

Course Coverage

The topics proposed to be covered are as follows:

- Introduction and recent trends in Industrial process automation.
- PLC/SCADA/DCS/HMI.
- HART/Fieldbus/Profibus/Wireless protocols for Industrial Automation.
- Industrial IoT for Process automation and cloud based architecture of Industrial Automation.
- Simulation and software-based training on design of classical and advanced controllers for linear/non-linear processes.

Industrial visit

Industrial visit/hands on training in Siemens centre of excellence (CoE), NITT may be arranged during the workshop.

LAST DATE FOR RECEIVING THE DULY FILLED IN APPLICATION FORM 01/07/2019

Registration Fee Details **

No. of Days	Academic Participants	R&D and Industrial Participants
2 Days	Rs. 2000 + GST18% = **Rs. 2360**	Rs. 3000+ GST18% = **Rs. 3540**
5 Days	Rs. 4000 + GST18% = **Rs. 4720**	Rs. 5000 + GST18%= **Rs. 5900**

**No Registration fee for Mentee Institutions. Participants from Mentee Institutions are eligible only for one week programme.

The registration fee includes programme kit, refreshments and working lunch. Registration fee is to be paid in the form of DD, drawn in favour of "The Director, National Institute of Technology", payable at SBI, NIT Tiruchirappalli or via online transfer to the account mentioned. Accommodation will be arranged on a twin shared basis for outstation participants as per NITT norms. Confirmation of participants will be intimated only through email.

Online Transfer Details

Name   : Engineering Consultancy Center
A/c.No : 10023883064
IFSC   : SBIN0001617
Branch : NIT

Mention the purpose as **IPA-2019** during online payment.

Dr. K. Srinivasan,
Associate Professor,
Department of Instrumentation and Control Engineering,
National Institute of Technology, Tiruchirappalli – 620 015.
srinikkn@nitt.edu; 0431-250 3363
Contact: 8248541685

FDP REGISTRATION FORM

"INDUSTRIAL PROCESS AUTOMATION (IPA - 2019)"
(02-08-2019 TO 08-08-2019)

1. Name:
2. Date of Birth:
3. Designation:
4. Institution:
5. Mentee/ Non-Mentee
6. Address for correspondence:

Phone:
E-mail:
7. Educational qualifications:
8. Experience (in years):
9. No. of days for Non-Mentee participants:
10. DD No./online transfer Ref.No.:
11. 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