

**National Level Workshop  
on  
PROCESS AUTOMATION  
USING DISTRIBUTED  
CONTROL SYSTEM  
10<sup>th</sup> & 11<sup>th</sup> August 2018**

**REGISTRATION FORM**

Name .....

Designation.....

Department.....

Institution.....

Address.....

.....

.....

Contact No. ....

Email.....

Category: Faculty/ Student

Accommodation Required\* (Yes /No).....

\* can be arranged on prior request based on the availability of rooms

Place:

Date: **Signature of the Applicant**

**PAYMENT DETAILS**

A Demand Draft\* for Rs. ....

No..... Dated.....

Details of Bank: .....

(\*Drawn in favour of "PSG CNCE" payable at Coimbatore) is enclosed.

**IMPORTANT DATES**

Last date for registration : 31.07.2018

Intimation of selection : 02.08.2018

(Through E-mail)

**COORDINATORS**

**Dr. J. Arunshankar**

Professor & Head

**Dr. D. Jayaprasanth**

Assistant Professor (Sr. Gr)

**Ms. R. Rajeswari**

Assistant Professor

**ADDRESS FOR CORRESPONDENCE**

The Coordinators,  
Department of Instrumentation and  
Control Systems Engineering,  
PSG College of Technology,  
Peelamedu, Coimbatore - 641004.  
Tel: 0422-4344000, Extn: 4587  
Mob: 9791119481/ 8148856770

Email: [djp.ice@psgtech.ac.in](mailto:djp.ice@psgtech.ac.in)  
[rra.ice@psgtech.ac.in](mailto:rra.ice@psgtech.ac.in)

**National Level Workshop  
on  
PROCESS AUTOMATION  
USING DISTRIBUTED  
CONTROL SYSTEM  
10<sup>th</sup> & 11<sup>th</sup> August 2018**



**Organized by**

**Department of Instrumentation  
and Control Systems Engineering,  
PSG College of Technology  
Peelamedu, Coimbatore – 641004.**

**Tel: 0422-4344777, Extn: 4587**

**Website: [www.psgtech.edu](http://www.psgtech.edu)**

## ABOUT THE INSTITUTION

PSG College of Technology established in 1951, is one of the many educational institutions nurtured by PSG & Sons Charities Trust. The college is Government Aided, Autonomous, ISO 9001: 2008 Certified and Affiliated to Anna University.

The institution is equipped with latest facilities and excellent infrastructure. The college offers 22 undergraduate programmes and 37 postgraduate programmes. It also offers research programmes leading to MS/Ph.D. degrees. The institution has a strong alumni base, most of them occupying coveted positions in many educational, industrial and research organizations all over the world.

## ABOUT THE DEPARTMENT

The Department of Instrumentation and Control Systems Engineering was established in the year 2007. The department provides undergraduate program in Instrumentation and Control Engineering and postgraduate program in Control Systems. The department caters to the ever challenging needs of technical excellence in all areas of Instrumentation and Control Engineering.

The Department is equipped with Process Control Lab, Sensors Lab, Control & Drives Lab, PLC Lab, Distributed Control System Lab and Embedded Systems Lab.

## FACILITIES AVAILABLE IN DCS LAB

### EMERSON DELTA V DCS

- ✦ Delta V MD plus Controller
- ✦ Engineering cum Operator Station
- ✦ Delta V Simulation Software

### ROSEMOUNT- FIELD DEVICES

- ✦ Foundation Fieldbus Differential Pressure/Level Transmitter
- ✦ Foundation Fieldbus Gauge Pressure Transmitter
- ✦ Discrete Wireless Transmitter
- ✦ Temperature Transmitter with HART and Foundation Fieldbus
- ✦ Electromagnetic Flow Transmitter with HART
- ✦ Smart Valves with Positioner

### MECHANICAL SKID

- ✦ Coupled Tank to Demonstrate Level, Flow and Temperature Control
- ✦ Continuous Stirred Tank Reactor Setup from YOKOGAWA
- ✦ Two Tank Conical Interacting System Setup from YOKOGAWA

## ABOUT THE WORKSHOP

This workshop focuses on

- ✦ providing fundamental knowledge on the operation and functioning of Distributed Control System.
- ✦ offering hands-on experience on DCS for performing real time control.

## TOPICS COVERED

- ✦ Introduction to DCS
- ✦ Field Instruments
- ✦ Digital Communication Protocols
- ✦ Salient Features of DCS
- ✦ Configuration of DCS
- ✦ Simulation using DCS
- ✦ Real – time Control using DCS

## ELIGIBILITY

- ✦ Faculty members from EIE/ ICE/ EEE / ECE/Chemical Engg.
- ✦ UG (Pre Final cum Final) & PG students of EIE/ ICE/ EEE / ECE

## VENUE

Distributed Control System Laboratory  
PSG Industrial Institute,  
PSG College of Technology, Coimbatore.

## REGISTRATION FEE

Faculty : Rs 2000/-  
Students : Rs 1500/-

Selection will be made on first come first serve basis. Registration form can also be downloaded from the website. Workshop kit, working lunch and refreshments will be provided.