

**National Level Workshop  
on  
FACTORY AUTOMATION  
USING PROGRAMMABLE LOGIC  
CONTROLLER**

**September 28 - 29, 2018**

**REGISTRATION FORM**

Name :.....  
Branch/Designation:.....  
College :.....  
Address:.....  
.....  
.....  
Mobile No :.....  
Email Id :.....  
Payment details:  
Amount .....  
DD No.....  
Bank .....  
Dated.....

Accommodation: Required\* (Yes / No):

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

**DECLARATION**

I \_\_\_\_\_ agree to abide by the rules & regulations governing the training programme. If selected, I shall attend the programme for the entire duration. The information provided herewith is true to the best of my knowledge.

Place:  
Date :                      Signature of the Applicant

**REGISTRATION FEE**

Registration fee: **Rs. 1200/-**

Mode of payment: Demand Draft in favour of "PSG CNCE", payable at Coimbatore.

Registration form can also be downloaded from the website. Number of participants is limited to 40.

The registration form along with the DD is to be sent to the Coordinator latest by 17-09-2018.

Intimation about selection (only by email): 20-09-2018.

**WHO CAN ATTEND**

UG/PG students of Circuit Branches and Mechanical Sciences from Engineering colleges will be benefitted.

**RESOURCE PERSONS**

Faculty members from PSG College of Technology.

**CONVENOR**

Dr. J. Arunshankar  
Professor and Head, I&CE

**COORDINATORS**

Dr. D.Angeline Vijula  
Associate Professor, I&CE

Mr. P.Arun Kumar  
Assistant Professor, I&CE

Mr. M.Panneerselvam  
Assistant Professor, I&CE.

**ADDRESS FOR CORRESPONDENCE**

The Coordinators,  
National Level Workshop on "Factory Automation using Programmable Logic Controller",  
Department of Instrumentation and Control Systems Engineering,  
PSG College of Technology, Peelamedu, Coimbatore - 641004.  
Tel: 0422-4344000, Extn. 4552,  
Mob:91-9994488893/ 91-9790634361

Email: [pak.ice@psgtech.ac.in](mailto:pak.ice@psgtech.ac.in)  
[mps.ice@psgtech.ac.in](mailto:mps.ice@psgtech.ac.in)

## 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 programmes in Science, Engineering and Management at UG and PG levels. 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 programme in Instrumentation and Control Engineering and postgraduate programme 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, Industrial Automation Lab, Control and Instrumentation Lab, Distributed Control System Lab, Embedded Systems Lab, etc. PSG – Rockwell Centre of Excellence is a collaborative centre, started functioning in the department since 2013. It caters to the need of both under graduate and post graduate students in the area of automation and control.

## FACILITIES AVAILABLE

- ✦ MicroLogix PLCs with HMI system
- ✦ CompactLogix
- ✦ ControlLogix with distributed I/O
- ✦ Kinetix 350 400W Servo Drive

## ABOUT THE PROGRAMME

The workshop focuses on

- ✦ Providing fundamental knowledge on the operation and functions of programmable logic controllers
- ✦ Offering hands on experience on Allen – Bradley PLC modules for performing factory automation

## TOPICS COVERED

- ✦ Introduction to PLC
- ✦ PLC Hardware Components
- ✦ Automation Components
- ✦ AB PLC Programming Procedure
- ✦ AB Programming Instructions
- ✦ Emulation of Ladder Logic Programming
- ✦ Analog Operations using PLC
- ✦ Overview of Programmable Automation Controller (PAC)
- ✦ Communication Facilities
- ✦ Overview of Human Machine Interface (HMI) Systems
- ✦ Real Time Factory Automation Examples
- ✦ Case Studies

## PSG - Rockwell Centre of Excellence in Industrial Automation

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Organized by

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