

OBJECTIVE

Industrial automation is the use of control devices such as PC/PLCs/PACs to control industrial processes and machinery by replacing as much as possible labour intervention and dangerous assembly operations with automated ones. In industrial control a wide number of process variables such as temperature, flow, pressure, distance, and liquid levels can be sensed simultaneously. All these variables are acquired, processed and controlled by microprocessor systems or PC based data processing controllers.

Programmable Logic Controller (PLC) is a digital computer interface used for the automation of various electro-mechanical processes in industries. The program is written on a computer and is downloaded to the PLC via cable. These loaded programs are stored in non – volatile memory of the PLC. During the transition of relay control panels to PLC, the hard wired relay logic was exchanged for the program fed by the user. A visual programming language known as the Ladder Logic is mostly used to program the PLC.

Supervisory Control And Data Acquisition (SCADA) is a control system architecture that uses computers, networked data communications and graphical user interfaces for high-level process supervisory management.

This workshop aims to provide good opportunity for the industry, faculty members and students to gain basic knowledge about industrial automation applications using PLC and SCADA.

COURSE CONTENTS

- Introduction to Industrial Automation
- Evolution of Industrial Automation
- Role of Sensors in Automation
- Human Machine Interface
- Introduction to Programmable Logic Controllers
- Basics of SCADA
- Real-time Industrial Automation Applications

ORGANIZING COMMITTEE

Chief Patron : Thiru. S. S. Kandasamy
President/Vellalar Educational Trust

Patron : Thiru S. D. Chandrasekar
Secretary/Vellalar Educational Trust

President : Dr. M. Jayaraman, Principal
Velalar College of Engineering and
Technology

Vice Presidents : Prof. L. Peter Stanley Bebington,
Dean (Academics)
Prof. P. Jayachandar,
Dean (Student Affairs)

Convener : Dr. P. Sakthivel,
Professor and Head / EEE

Co-ordinators : Ms. R. Madhumitha, AP/EEE
Mr. S. Ashwanth, AP / EEE

RESOURCE PERSONS

Sessions will be handled by experts from reputed organizations and proficient faculty of the institution.

REGISTRATION FEES

Industrial Participants : Rs.1200/-
Academicians/ Research Scholars : Rs. 600/-
UG/ PG Students : Rs. 400/-

HOW TO APPLY?

The interested participants may send their duly filled-in applications along with the demand draft drawn in favor of “ The Principal, Velalar College of Engineering and Technology” payable at Thindal.

SCHEDULED DATES

Last Date for Receipt of Applications : 09.09.2017
Date of intimation regarding selection : 11.09.2017

VELALAR COLLEGE OF ENGINEERING AND TECHNOLOGY

(Autonomous)

THINDAL, ERODE-638012.

TWO DAY NATIONAL-LEVEL WORKSHOP On

“Industrial Automation-PLC & SCADA”
(14.09.2017 & 15.09.2017)

REGISTRATION FORM

Name :

Designation :

Organization :

Gender :

Age :

Educational

Qualification :

Address for

Communication

Mobile No. :

Email ID :

Experience

Teaching : _____ years

Industry : _____ years

Payment Details

DD No. :

Amount :

Date :

Bank Name :

DECLARATION

The above information is true to the best of my knowledge. I agree to abide by the rules and regulations governing the course. If selected, I shall attend the programme for the entire duration. I also take the responsibility to inform the coordinator in case I am unable to attend the course.

Place:

Date: Signature of the Applicant

SPONSORSHIP CERTIFICATE

Mr./Ms./Dr. _____
_____ is an employee/student of our Institution/ Organization and is hereby sponsored. He/ She will be permitted to attend the programme, if selected.

Place: Signature of Sponsoring Authority

Date: Office Seal

Application form completed in all respects is to be sent to

Dr. P. Sakthivel M.E., Ph.D.

Professor and Head

Department of EEE

Organizing Secretary

TWO DAY NATIONAL-LEVEL

WORKSHOP ON

“Industrial Automation-PLC & SCADA”

Department of EEE

Velalar College of Engineering and Technology

Thindal, Erode-638012, Tamilnadu

ABOUT THE COLLEGE

Velalar College of Engineering and Technology (VCET) established in the year 2001, approved by AICTE, New Delhi and affiliated to Anna University, Chennai. It is governed by Velalar Educational Trust (VET). It has completed 17 years of dedicated and excellent service in technical education. The college offers 7 under-graduate programmes, 6 post-graduate programmes and 5 research programmes. The college has been accredited to National Assessment and Accreditation Council (NAAC) with ‘A’ Grade. The college has attained the autonomous status in the year 2016.

ABOUT THE DEPARTMENT

The Department of Electrical and Electronics Engineering is one of the first few disciplines started at the time of inception. The Department has been accredited by National Bureau of Accreditation (NBA), New Delhi. The Department offers UG programme with an intake of 120 students and PG programme in Embedded System Technologies with an intake of 18 students. The Department has been playing a pioneering role in producing world class technocrats. The infrastructure and lab facilities are upgraded from time to time and provide adequate opportunities for students and researchers to learn and innovate. The department has distinguished faculty, holding masters’ and doctoral degrees from renowned institutes. The faculty of the department have been constantly carrying out research on many cutting edge technologies and regularly publish papers in journals. The Department grew with time, reflecting the needs of a changing society and established new areas of teaching and research in electrical engineering.

ABOUT THE LOCATION

The college is situated at Thindal on the State Highways (SH-96) about 90 km from Coimbatore and 8km from Erode.

TWO DAY NATIONAL-LEVEL

WORKSHOP ON

“Industrial Automation-PLC & SCADA”

September 14 & 15, 2017

Organized by

Department of Electrical and

Electronics Engineering

(Accredited by NBA, New Delhi)



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(Autonomous)

Approved by AICTE

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Thindal, ERODE - 638012,

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