

ABOUT TEQIP

Technical Education Quality Improvement Programme (TEQIP) aims to upscale and support ongoing efforts of GOI to improve quality of technical education and enhance existing capacities of the institutions to become dynamic, demand-driven, quality conscious, efficient and forward looking, responsive to rapid economic and technological developments occurring both at national and international levels.

RESOURCE PERSONS

Professors from leading institutions and technical experts from industries will deliver lectures and practice sessions.

COURSE CONTENTS

- Introduction to PLC, SCADA & HMI
- Automation hardware and software components
- Configuration of PLC
- Ladder and functional block programming
- HMI screen development and configuration of field devices
- PLC data monitoring and controlling through HMI
- Analog data scaling
- Tag creation and configuration in SCADA
- Making SCADA for sample application & Communication
- Interfacing AC drives with a PLC
- Real-time application exercises using PLC & HMI
- Introduction to Industry 4.0

ELIGIBILITY

This Faculty Development Programme is open to all interested faculty members and Industry experts.

ACCOMODATION

For outstation participants accommodation shall be arranged on prior request at nominal cost.

IMPORTANT DATES

Last date for receipt of filled application : **09.11.2018**

Selection notification through E-mail : **12.11.2018**

REGISTRATION FEES

Faculty Members : ₹ 3000/-

Industry Participants : ₹ 5000/-

A maximum of 60 participants are permissible on the first come first serve basis. The participants shall pay their registration fee through a Demand Draft drawn in favor of "PSGCNCE", payable at Coimbatore. No spot registration will be allowed.

The duly filled application forms along with DD should be sent to:

Dr. L. ASHOK KUMAR

Department of EEE

PSG College of Technology

Peelamedu, Coimbatore - 641004

Contact No : 98432 81115, 99409 00210

E-mail : lak.eee@psgtech.ac.in

ORGANIZING COMMITTEE CONVENOR

Dr. M. C. Bhuvaneshwari

Associate Professor & HoD, Dept. of EEE

COORDINATORS

Dr. L. Ashok Kumar

Professor & Associate HoD, Dept. of EEE

Dr. R. Latha

Associate Professor, Dept. of EEE

Mr. P. Komakhan Sudar Vendan

Assistant Professor, Dept. of EEE

TEQIP-3
Technical Education Quality Improvement Programme



TEQIP-III Sponsored

One Week

Faculty Development Programme on

REAL-TIME SIMULATION ON MONITORING AND CONTROL OF ELECTRIC DRIVES

(A path towards Industry 4.0)

19 - 25 November 2018



Organised by

Dept. of Electrical & Electronics Engineering

PSG College of Technology

Peelamedu, Coimbatore - 641 004, Tamilnadu

Phone : 0422-2572177, 2572477

Website: www.psgtech.edu

ABOUT THE INSTITUTION

PSG College of Technology, started in the year 1951, is an autonomous college for the past 33 years, offering 22 undergraduate programmes and 37 postgraduate programmes. It also offers research programmes leading to MS/Ph.D. degrees in all departments. Currently more than 520 research scholars, both full time and part time, are working for their Ph.D. degree. PSG College of Technology, an AICTE approved institution is affiliated to Anna University, and is ISO 9001 certified. PSG College of Technology believes in creating and disseminating knowledge and skills in core and frontier disciplines through innovative educational programmes, industrial training, research & consultancy.



ABOUT THE DEPARTMENT

The Department of Electrical and Electronics Engineering has been playing a vital role in producing scientists and technologists of highest caliber ever since it was established in the year 1951. The department offers UG (Regular and Sandwich) programmes, PG programmes (Applied Electronics, Power Electronics & Drives, and Embedded & Real Time Systems), and PhD programmes. The students acquire interpersonal and communication skills and promote their professional skills through department associations. The department has Centres of Excellence namely, State of the art computational and experimental facilities enable the department to undertake basic and applied research and provide support to R&D organizations.

- PSG-DANFOSS Centre of Excellence in Climate and Energy
- PSG-LAPP Centre for Excellence in Cable Technology
- PSG-L&T Centre for Excellence in LV Switchgear
- Audio-Processing Centre
- PSG-PROSUN Centre for Excellence in Solar PV Systems
- AICTE - Wind Emulator Laboratory
- PSG-Schneider Centre for Excellence and
- PSG-Texas Instruments Centre for Excellence for IoT

ABOUT THE WORKSHOP

Due to the rapid advances in technology, all industrial processing systems are turned into automation. To resolve the automation and control issues, industries use the ever changing technologies in control systems for efficient production or manufacturing processes. Control of Electric Drives technology is one of the cornerstones of automation, has contributed enormously to the development of modern industrial society.

Programmable Logic Controller (PLC) also known as Industrial Computer is the major component in the industrial automation sector. The objective of this faculty development programme is to provide practical knowledge of the Industrial Automation and latest technologies used to motivate the participant to pursue research work in the field of PLC. And the participants will be exposed to interface PLC with SCADA software. This workshop would also focus on how the fourth industrial revolution technology influence the performance of future of PLCs.

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REGISTRATION FORM

Name (in Block Letters) :

Designation :

Department :

Name of the Institution :

Address :

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E-mail :

Mobile :

Accommodation Required : Yes / No

Details of Registration

Amount :

DD No. & Date :

Bank :

Signature of the Participant :

Prof./Dr./Mr./Ms.

is permitted to attend the above said programme

Place :

Date :

Approving Authority
(Signature and Seal)