Two day workshop on
"PLC BASED SERVO DRIVE AND CONTROL"
30 & 31 August'18

Application Form

Name (Block Letters) : _____

Department : _____

Semester / Year : _____

Institution : _____

Address for Correspondence:

_____

_____

_____

_____

Phone :

E-mail :

Fee Details:

Training Fee : Rs 590/- (including GST)

Accommodation Fee : Rs 250/- (including GST)

(Includes Boarding and Lodging)

Accommodation Required: Yes/No

Last date for receiving application: **21.08.2018**

D.D Amount (Rs): _____ D.D No.: _____

Date: _____ Bank: _____

Declaration:

The above mentioned information is true to the best of my knowledge. I agree to abide by the rules and regulations governing the training programme. If selected, I shall attend the entire duration of the training programme.

Signature with Name and Date

Resource Persons

Faculty Trained by Bosch Rexroth in Germany and India.

Certification

Participants who complete the program satisfactorily will be awarded a certificate of participation by MCET – Bosch Rexroth Centre.

Eligibility

- UG/PG Students, Research Scholars and Academicians from Engineering Colleges

Application Procedure

Registration fee should be paid as DD in favour of "Dr.Mahalingam College of Engineering and Technology, Pollachi" payable at Pollachi. The enclosed application form should be filled in by the applicant, and the completed form along with the DD should be mailed to the address given below latest by 21st August 2018. The application form may also be downloaded from our college website.

Convener

Dr. K. Vijayakumar,
Associate Professor and Head, EIE dept.

Coordinator:

Mr. S. Anthony Jesudurai , Asst. Prof(SS)/EIE

For Further details:

The Workshop Co-ordinator,
MCET-Bosch Rexroth CoC
Dr. Mahalingam College of Engineering and Technology,
Pollachi – 642003
Tamil Nadu.

Mobile: +91 9942243063, +91 9944710808

Email: mbraincoc@mcet.in Web: www.mcet.in

MCET COLLEGE OF ENGINEERING AND TECHNOLOGY

rexroth A Bosch Company

Two day workshop on
"PLC BASED SERVO DRIVE AND CONTROL"

30 & 31 August'18

Organized by

Department of Electronics and Instrumentation Engineering

In association with

MCET – Bosch Rexroth

Regional Centre of Competence in Industrial Automation Technologies

Dr. Mahalingam College of Engineering and Technology,
(An Autonomous Institution)
Pollachi-642003
www.mcet.in

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About the Institution

Dr. Mahalingam College of Engineering and Technology (MCET) was established in the year 1998 with a mission to impart high quality competency based education in Engineering and Technology to the younger generation to equip them with the required skills and abilities to face the challenging needs of the industry around the globe. MCET is an Autonomous; Self-financing, Coeducational Engineering College and it is approved by the All India Council for Technical Education (AICTE), New Delhi and affiliated to Anna University, Chennai. The MCET currently offers 10 UG, 6 PG and 5 Doctoral programs in Engineering and Technology. Among 10 UG programmes Automobile, Civil, CSE, EEE, ECE, EIE and Mechanical departments has been accredited by the National Board of Accreditation (NBA) and also the institute is accredited by NAAC with 'A' grade.

About the Department

The Department of Electronics and Instrumentation Engineering started in the year 2011 is aiming to produce quality engineers with the knowledge of the latest trends and developments in Industrial Automation. The department provides a platform for the learners to equip themselves with the knowledge transferred from the faculty expertise, state-of-the-art laboratory facilities and software. To meet the industrial requirements of future engineers, students are enriched with industry driven curriculum, Extra credit courses conducted by industry experts and value added programmes such as PCB Design, PLC, DCS, SCADA, HMI, LabVIEW, MATLAB, Embedded systems and Smart Sensors are offered

About the Centre

Dr. Mahalingam College of Engineering and Technology (MCET) has established the MCET – Bosch Rexroth Regional Centre of Competence in Industrial Automation Technologies (M-BRAIN) in Collaboration with Bosch Rexroth, Germany who are global leaders in Drives and Control equipment, with the primary objective of producing skilled manpower in latest industrial automation technologies.

The Centre has state of the art labs for doing research and projects for industry, and for providing world class training in Industrial Automation, Industrial and Mobile Hydraulics, Industrial Pneumatics, PLC, HMI, SCADA, Sensorics and Mechatronics. Twelve faculty of MCET have received advanced training in automation technologies at Bosch Rexroth, India and Bosch Rexroth, Germany.

About the Program

The fourth industrial revolution is in full swing, with innovative technological developments opening up exciting new opportunities virtually every day. And if you look under the hood, you'll see that the engine driving it all is automation technology, which is making industrial production a lot more efficient.

Since the key to utilizing this technology will be highly trained technically skilled manpower, training and education in industrial automation technologies has become a critical issue in many fields of Engineering.

Keeping in view this requirement, we have designed a unique training program for the professional development of faculty of engineering colleges in Tamil Nadu. The major focus of the Servo Drive and Control is on enhancing the practical knowledge and functional area expertise of the participants through intensive, focused, hands-on, and highly interactive training methodologies.

Course Details

Most of the Industrial automation companies must be equipped with servo systems to control the position and speed that will be operated with the help of Robots. Also Robot's arms are operated and controlled its movements by servo drives. The program is designed to impart advanced training to the in-service faculty of Engineering Colleges and Universities all over India, to enhance their knowledge on PLC based Servo drives and control.

The program aims at providing adequate knowledge and hands-on experience in servo drive systems, and is structured around the following components:

- H/W structure of Bosch PLC
- Basic PLC Programming using Bosch PLC
- Real time interfacing with automation systems
- Servo operation for Automated systems
- Servo control for Robotics
- Programming on Rexroth Servo drive
- Servo drive and Control using MLD