

## Workshop on Industrial Automation using PLC and HMI

22 & 23 September, 2017

### Application Form

Name (Block Letters) : \_\_\_\_\_

Department : \_\_\_\_\_

Semester/Year : \_\_\_\_\_

Institution : \_\_\_\_\_

Address for Correspondence:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Phone : \_\_\_\_\_

E-mail : \_\_\_\_\_

#### Fee Details:

Training Fee : Rs. 700/-

Accommodation Fee : Rs. 150/- per day

(Includes Boarding and Lodging)

**Accommodation Required: Yes/No**

Last date for receiving application: **16.09.2017**

#### Details of D.D:

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

Place : \_\_\_\_\_

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 September 16, 2017. The application form may also be downloaded from our college website.

#### Contact details

**Conveners** : Dr. K. Vijayakumar,  
HoD-EIE, MCET

**Coordinators** : Mr. T.Gopalakrishnan  
AP(SS)/EIE, MCET  
Mr. S. Anthony Jesudurai  
AP(SS)/EIE, MCET

**Mailing Address:**  
Department of EIE  
Dr. Mahalingam College of Engineering and Technology,  
Udumalai Road,  
Pollachi-642003  
Coimbatore District, Tamilnadu

Mobile: 9944710808, 9865534314

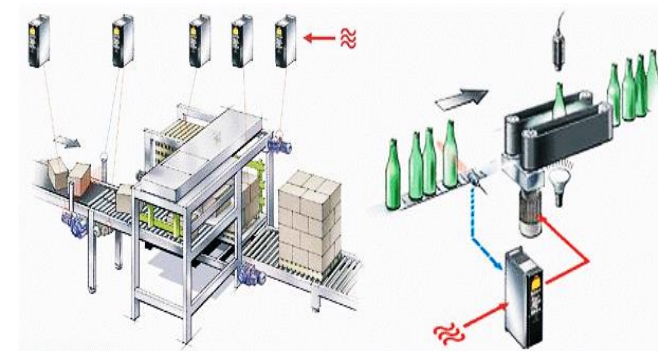
Email: hod\_ei@drmcet.ac.in, mbraincoc@mcet.in



**Rexroth**  
Bosch Group

## TWO DAY WORKSHOP ON INDUSTRIAL AUTOMATION USING PLC & HMI

22 & 23 September, 2017



**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

## 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 Institute has been accredited by the National Board of Accreditation (NBA) and NAAC with 'A' grade and is ISO 9001:2008 certified by TUV. The MCET currently offers 10 UG, 6 PG and 4 Doctoral programs in Engineering and Technology.

## 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 the latest industrial automation technologies.

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

## About the Program

Programmable logic controller (PLC) is a digital computer used for automation of typically industrial electromechanical processes, such as control of machinery on factory assembly lines, amusement rides and light fixtures. HMI (Human Machine Interface) is the operator interface in a manufacturing or process control system. It provides a graphics-based visualization of an industrial control and monitoring system.



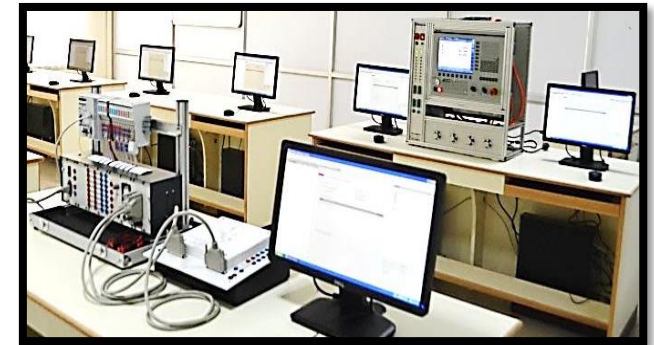
## Training Details

The programme aims at providing adequate knowledge and hands-on experience, and is structured around the following components:

- Basics of PLC Technology
- PLC Programming and Applications.
- Programming on HMI
- Real time interfacing using PLC & HMI with Automated system.

## Program Contents

- PLC programming-basics
- Programming on basic Logics, Interlocks and Timers/Counters
- Bosch Rexroth PLC programming
- Programming on Indralogic L20 PLC using Indraworks engineering
- Bosch Rexroth HMI programming
- Programming on VCP 11.0 using VI Composer
- Real time interfacing with Automation Systems



## For Whom

The workshop is designed for the UG/PG students and academicians studying/working in engineering colleges in and around Tamil Nadu.

## Selection Process

- Selection will be based on first come first served basis
- Only limited seats available

## Registration

The registration fee of Rs. 700/- is to be paid by DD in favour of “**Dr.Mahalingam College of Engineering and Technology**”, payable at Pollachi. Fee includes course material, lunch and refreshment.