

**One Day National Level Workshop  
on  
INDUSTRIAL CONTROL AND  
AUTOMATION USING PLC**

**13<sup>th</sup> February 2020**

**Registration Form**

Name:.....

Qualification:.....

Designation:.....

Department:.....

Institution: .....

Mailing address:.....

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Phone:.....

Office:.....

Mobile:.....

Email:.....

**Payment Details:**

DD No: .....Date:.....

Amount:.....Bank:.....

Signature of Applicant

**ORGANISING COMMITTEE**

Chief Patron : **Dr. R. Vasanthakumar,**  
**Chairman & Managing Trustee,**  
Karpagam Educational Institutions.

Patron : **Shri. K. Murugaiah,**  
Chief Executive Officer,  
Karpagam Educational Institutions.

Chairman : **Dr. P. Vijayakumar,**  
Principal.

Convener : **Dr.P.Karthigaikumar,**  
Professor and Head,  
Department of ECE.

**CO-ORDINATORS**

Dr.C.Priya,ASP/ECE  
Ms. L.Saranya,AP/ECE

**For further enquiries and communication,**

**Contact :**

Ms.L.Saranya,  
Asst. Professor/ECE,  
Karpagam College of Engineering,  
Coimbatore - 641 032.

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*Student branch  
Sponsored*

**One Day National Level Workshop  
on  
INDUSTRIAL CONTROL AND  
AUTOMATION USING  
PLC**



**13<sup>th</sup> February 2020**

*Organized by*

**Department of Electronics and Communication  
Engineering**

(Accredited by NBA)

## **ABOUT THE COLLEGE**

Karpagam College of Engineering was started in the year 2000, by the Karpagam Charity Trust, promoted by the renowned Philanthropist and Industrialist Dr.R.Vasanthakumar and has been conferred with autonomous status in the year 2007. The college offers nine Under Graduate Engineering programmes and five Post Graduates programmes and accredited by NBA and NAAC with 'A' Grade. The Institution aims to provide excellent learning facilities by imparting practical training, knowledge and skills to the youth. The college has signed MoUs with research organizations and industries to promote closer interaction in the areas of technology development, student training, curriculum updation and establishment of state-of-art-centers of excellence.

## **ABOUT THE DEPARTMENT**

The department has experienced and qualified faculty members, well equipped laboratory such as DSP lab, MEMS Lab, Communication and Microwave Engineering Lab, LIC / Digital Lab, VLSI Design Lab, Networks and Simulation and Electron Devices Lab with availability of latest and updated version of software package. The department has also promoted different centre of excellence for MEMS Research and Development (CMRD), Centre for Signal Processing Research and Development (CSPRD), Centre for Embedded system Research and Development (CESRD), Centre for Image and Video Processing Research and Development (IBRD), Centre for Research

Communication and Wireless Network (CRCWN) and Centre for VLSI Design and Development (CVDD) for developing research activities in the field of Electronics and Communication Engineering.

## **OBJECTIVE OF THE WORKSHOP**

The main objective of this Workshop is to make the aspiring engineers familiar with the conceptual as well as practical knowledge of the Industrial Automation & latest technologies being used to achieve industrial automation. The idea of organizing this workshop is to teach the basic fundamentals of automation and provide a platform to work on, in the near future. The most used guiding force behind an Automated Industrial Plant is "Programmable Logic Controller" (PLC). A PLC is a ruggedized, digital industrial computer control system that is preprogrammed to carry out automatic operations in industrial processes. The PLC continuously monitors, processes and triggers the connected output devices, to complete the task in the industrial process or machinery.

## **KEY CONTENTS OF THE WORKSHOP**

- ✚ Introduction to Industrial Robotics
- ✚ Anatomy and Types of Industrial Robotics
- ✚ Applications of Industrial Robotics
- ✚ Adding End Effector to Robot
- ✚ Working with 2D and 3D Objects
- ✚ Field Instruments in Industries
- ✚ Connection Method of Analog and Digital Sensor To PLC

## **HOW TO APPLY**

Send the registration form available in this brochure along with DD to the convener. No Spot registration & Registration is restricted to 30 Participants. First Come First Serve basis.

## **RESOURCE PERSONS**

Experts from industries and experienced faculty from renowned institutions will deliver lectures and handle the practical Sessions.

## **ELIGIBILITY**

This Programme is open to all Industrial members and Faculty, Research Scholars and Students of AICTE approved Engineering Colleges.

## **IMPORTANT DATES**

Last date for registration : 11<sup>th</sup> Feb 2020.  
Notification of Selected candidates: 12<sup>th</sup> Feb 2020.  
Confirmation from the candidates for the workshop by email : 12<sup>th</sup> Feb 2020.

## **REGISTRATION DETAILS**

All category: Rs.300/-

## **PAYMENT**

**By Demand draft may be drawn in favour of  
"Karpagam College of Engineering"  
Payable at Coimbatore.**