

**About the Seminar:-**

The aim of this Seminar is to intends to impart knowledge in the basics of Arduino Controller with PLC and provides hands on experience in developing real time projects. This Seminar will be useful for both UG and PG students in various disciplines like EEE, ECE, EIE Mechatronics, and Automobile Engineering. Hands on training with kits will help the students to develop innovative projects independently.

Due to that and even though the long standing market place of Arduino Controller they are still key components for modern systems using producing and transforming electricity.

Now days they are associated with innovation and they are under major focus in both industry and academia.

**Objectives**

The primary goal of this seminar is to provide a fundamental knowledge practical foundation of Industrial automation using Arduino Controller with PLC and also to do research activities related to applications and also to compare several alternative solutions.

**Eligibility**

- ✓ Faculty working in engineering colleges.
- ✓ Practising engineers from industries
- ✓ Engineers from R&D organizations
- ✓ UG/PG engineering students

Faculty: The resource persons will be from Industries and other premier institutions.

**Seminar Contents:-**

- Introduction about Arduino Controller
- Arduino programming language
- Arduino Software (IDE) breadboard version of the module
- Parallax Basic Stamp, Netmedia's BX-24,
- Phidgets, MIT's Handyboard
- Hardware and software. Arduino boards
- PLC with Motor interfacing
- Ethernet shield switch control
- Wifi Home automation system
- Mini automation project

**Registration Fee:**

Students (UG & PG)	Rs 200 /-
Research Scholar & Industrial Persons	Rs 400 /-

The registration fee includes cost towards course material, Seminar Kit and refreshment.

**Gate Way to Register:-**

Registration for Seminar can be made by sending the duly filled in application form along with Demand Draft drawn in favor of "Principal, Muthayammal College of Engineering" payable at Rasipuram.

**The duly filled registration form is to be sent to:**

The Convenor  
Department of EEE  
Muthayammal College of Engineering  
Rasipuram -637408.  
Contact No: 09894620123

**MUTHAYAMMAL COLLEGE OF ENGINEERING, RASIPURAM**

One Day Seminar  
on

**"Industrial automation using Arduino Controller with PLC "**

29<sup>th</sup> Feb. 2016

**REGISTRATION FORM**

Name (in Block Letters):

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.....

Qualification : .....

Experience (if any) :

.....  
.....

Designation & Dept. :

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.....

Organization : .....

Address for Communication:

.....  
.....

Mob No. :.....

Email Id

.....  
.....

Amount in Rs. :

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**DECLARATION BY THE CANDIDATE**

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

Place :

Date : Signature of the candidate

## ORGANIZING COMMITTEE

### CHIEF PATRON

Thiru.R.Kandasamy

Chairman, Muthayammal Educational Trust and  
Research Foundation

### PATRON

Prof.K.Gunasekaran, M.E.(Ph.D), FIE.,

Secretary, Muthayammal Educational Trust and  
Research Foundation

### CHAIRMAN

Dr. S.Selvarajan, M.E., Ph.D

Principal, Muthayammal College of Engineering

### CONVENOR

Dr. C.Nagarajan, M.Tech., Ph.D

Head of the Department EEE

### CO-ORDINATORS

Mr. D.Kalidass, Asst.Professor/ EEE

Mr.D.Vinoth, Asst.Professor/ EEE

### Important Dates to Remember:

Last date for Registration : 22.02.16

Intimation of Acceptance: 24.02.16

## About the College

Established in the year 2011-2012 by the Muthayammal Educational Trust and Research Foundation with a commitment to uplift the rural community. The vision of the institution is to produce high caliber socially responsible engineers, by providing value based technical education and promoting the welfare of the student community. It is equipped with highly qualified and experienced faculty members and well established infrastructural facilities. The institute offers 5 UG and 2 PG programme in Engineering and Technology. All laboratories are connected with 8 Mbps connectivity

## About the EEE Department

The Department of Electrical and Electronics Engineering (EEE) has been playing a vital role in producing scientists and technologists of highest caliber ever since it was established in the year 2011. The BE (EEE) programme offers a unique mix of Electrical, Electronics and computer related courses enabling the students to take-up a professional career / higher studies in any of these areas. The curriculum based on a credit scheme is updated periodically to reflect changes in the Electrical Engineering profession in consultation with experts from industries and renowned academic institutions.

The department along with its highly qualified faculty members started functioning right from inception and engages actively in teaching and research in all current areas of Electrical and Electronics Engineering.

## One Day Seminar

On

## Industrial automation using Arduino Controller with PLC

(February 29<sup>th</sup>, 2016)



## Programme Convener

**Dr.C.Nagarajan,**

**Head & Prof. of EEE**

**Organized by**

**DEPARTMENT OF ELECTRICAL AND  
ELECTRONICS ENGINEERING**

**MUTHAYAMMAL COLLEGE OF  
ENGINEERING, RASIPURAM**

(Approved by AICTE, Affiliated to Anna University)

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