

**REGISTRATION FORM**

**All India Workshop**  
**on**  
**Realization of Automotive Sensors Using**  
**Arduino Controller**  
**(25.02.2016)**  
(To be filled in Block Letters)

Name : .....

Designation : .....

Institute : .....

Mailing Address : .....

.....

E-mail : .....

Mobile No: .....

Payment Details :

Amount : .....

Name of the Bank: .....

Branch : .....

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

Signature  
Applicant

Signature & Seal  
(Head of the Institution)

**REGISTRATION DETAILS**

Students : Rs. 200/-  
Faculty : Rs. 300/-  
NGOs & others : Rs. 500/-

Registration fee (non refundable) includes admission to the programme, refreshments, working lunch and kit

**BOARDING AND LODGING**

Boarding and lodging facilities will be provided for the selected participants in the student hostel of the college on request.

**DATES TO REMEMBER**

- Last date for submission of application : **20.2.16**
- Intimation of acceptance : **22.2.16**
- Confirmation of participation from the selected candidates : **24.2.16**

**SELECTION**

The number of participants for the programme is restricted to **25**. The candidates will be selected on First-Come-First-Served basis.

**HOW TO APPLY**

Participants have to submit their application through proper channel along with DD drawn in favour of **The Principal, Gnanamani college of Engineering** payable at Namakkal.

**Duly completed application form must be sent to:**

**Prof.R.GANDHI**  
Head of the Department /EEE  
Gnanamani College of Engineering  
Pachal-637 018, Namakkal Dt., Tamil Nadu.  
Mobile No: 9942421427, 99444493200  
Email:hodeee@gce.org.in

**All India Workshop**  
**on**  
**Realization of Automotive Sensors**  
**Using**  
**Arduino Controller**

**(25<sup>th</sup> February 2016)**



**Programme Convener**

**Prof.R.Gandhi**  
**Head of the Department/EEE**

**Organized by**

**DEPARTMENT OF ELECTRICAL**  
**AND**  
**ELECTRONICS ENGINEERING**

**GNANAMANI COLLEGE OF**  
**ENGINEERING**

**(Approved by AICTE, Affiliated to Anna University)**  
Pachal-637018, Namakkal Dt., Tamilnadu, India.  
Ph: 04286-293888, Fax: 04286-293999  
Email:hodeee@gce.org.in  
Website: www.gce.or.in

## **ABOUT THE COLLEGE**

Gnanamani College of Engineering(GCE) is the part of Gnanamani Educational Institutions which serves under the flagship of The Christian Educational Development Trust leading by two legendary **Mrs.P.Malaleena**, Chairperson and **Dr.T.Arangannal**, Chairman a Rashtriya Vidya Saraswathi Puraskar Awardee.They both have been the lighthouse of support and encouragement to take this institution to the greater heights along with **Dr.K.Vivekanandan**, Chief Executive Officer and **Dr.P.Premkumar**, Chief Administrative Officer. This institution is approved by AICTE, NewDelhi and affiliated to Anna University, Chennai. This institute offering four under graduate and six post graduate programmes. The GCE cherishes the multi-cultural diversity of our students, faculty and staff and remain committed to creating and nurturing a campus environment that empowers all individuals and recognize cultural differences in background, experience and national origin.

## **ABOUT THE DEPARTMENT**

The Department offers one undergraduate courses in Electrical and Electronics Engineering and also offers postgraduate programme with specialization in Power electronics and Drives, The Department is known for its reputed faculty with expertise in diverse fields. conducting high quality of research.

The faculty of the department continues to strive loftier by exploring new frontiers of knowledge, imparting the latest technical knowledge to the students and conducting high quality of research. The classroom and laboratory work is supplemented with instructional tours to acquaint students with the Electrical Engineering projects of national importance.

## **ABOUT THE PROGRAMME**

This workshop aims at understanding Automotive Technology, Sensors and its applications with its implementation in Arduino.The effectiveness of professionals is their ability to put their domain knowledge into effective practice. This workshop will provide plot form for academicians, researches, students and other learning community to expose in the field of embedded system and its application.

## **COURSE CONTENT**

- Introduction about arduino controller
- Leds & buzzer interfacing
- Interfacing potentiometers
- Digital and analog interfacing for sensors
- Seven segment display interfacing
- Lcd interfacing
- Stepper motor/dc motor interfacing
- Ethernet shield switch control
- Wifi Home automation system
- Mini automation project

## **COURSE FACULTY**

Faculty Members of Gnanamani Educational Institution and reputed institute faculty will deliver the lecture.

## **ORGANISING COMMITTEE**

### **CHIEF PATRON**

**Dr. T. ARANGANNAL**  
Chairman  
Gnanamani Educational Institutions

### **PATRON**

**Mrs. P. MALA LEENA**  
Chair Person  
Gnanamani Educational Institutions

### **VICE PATRONS**

**Dr. K. VIVEKANANDAN**  
Chief Executive Officer  
Gnanamani Educational Institutions

**Dr. P. PREMKUMAR**  
Chief Administrative Officer  
Gnanamani Educational Institutions

**Prof.Dr.R.SOWMEYAN**  
Principal  
Gnanamani College of Engineering

### **CONVENER**

**Prof. R.GANDHI**  
Head of the Department / EEE  
Gnanamani College of Engineering

### **COORDINATORS**

**Mr.S.VIJAYAKUMAR,AP/EEE,**  
**Mr.A.VENKATESH,AP/EEE,**  
Gnanamani College of Engineering