

**OBJECTIVE:**

In this 21st-century world, home automation system is a very common system. Most of the case, an automation system is highly applicable in the industry called industrial automation, and in parallel, nowadays home automation takes its part to make the social life more smarter. It generally involves an automated household environment. It can be categorized into various types. Some of them can be controlled remotely using a smartphone. Secondly, it can control an actuator, or a motor that ensures security such as door lock. This is dedicated to implement control and monitoring of household goods like lighting system, windows and doors, fans, air conditioning (AC) systems, relay type controls, measuring environment parameters and characterizing environment conditions, performing home surveillance and granting home security.

Main elements of a home automation system are sensors, controllers, and actuators. Sensors can monitor changes in daylight, temperature, or motion detection. Home automation systems can then adjust those settings (and more) to your preferences. Controllers refer to the devices — personal computers, tablets or smartphones — used to send and receive messages about the status of automated features in your home. Actuators may be light switches, motors, or motorized valves that control the actual mechanism, or function, of a home automation system. They are programmed to be activated by a remote command from a controller.

The objective of this course is to disseminate the recent technological advancement in Building Automation Systems from both academia and industry. The solutions using advanced technologies/methodologies will also be discussed.

**Topics to be covered:**

- Basic Electrical Symbols
- Electrical Safety
- Wiring Circuit of Impulse Relay
- Wiring Circuit of Twilight Switch
- Wiring Circuit of Electronic Timer
- Wiring Circuit of Mechanical Timer
- Wiring Circuit of Motion Sensor
- Wiring Circuit for D.O.L Starter
- Wiring Circuit for Forward / Reverse D.O.L Starter

**TARGET AUDIENCE:**

Faculty members working from Engineering, Arts and Polytechnic Colleges, Research scholars, UG and PG Students, Industry Persons from relevant background of Sciences and Engineering.

**FACULTY:**

Sessions will be handled by experienced faculty members from Kongu Engineering College.

**BOARDING AND LODGING:**

Accommodation and boarding will be provided in the college campus to all the participants on chargeable basis.

**REGISTRATION FEE DETAILS:**

**Rs 500 (inclusive GST)** for all the participants. Registration is limited to 30 participants and will be selected on first-come-first serve basis. Registration kit includes Course Kit, Materials, Refreshment, Lunch and Certificates. Kindly send the registration fees to this Mobile Number : 9865255912 through Gpay (or) PhonePe

**HOW TO APPLY:**

The applicants should fill the below Google form link and upload their payment receipt along with the scanned copy of application in the specified format with their Principal / Sponsor signature with seal. (Note: Without Principal / Sponsor signature and uploading mismatched file is not allowed to attend the workshop).

**Google form link:**

<https://tinyurl.com/3vctr42p>

**SCHEDULED DATES:**

Last date for receipt of Applications:	09.05.2022
Intimation of Selection :	10.05.2022
Confirmation by participants :	11.05.2022

**KONGU ENGINEERING COLLEGE****(AUTONOMOUS)****PERUNDURAI, ERODE 638 060****TAMILNADU****&****SCHNEIDER ELECTRIC INDIA****Organizes****One day National level Workshop****on****“BUILDING AUTOMATION”****13.05.2022****APPLICATION FORM**

Name	:
Designation	:
Organization	:
Gender	:
Age	:
Educational Qualification:	
Address for	:
Communication	
Mobile Number	:
E-mail ID	:
Experience	:
Teaching	: _____ years
Others (Specify)	: _____ years
Need Accommodation	: YES / NO
Signature	:

## DECLARATION

The above information is true to the best of my knowledge. I agree to abide by the rules and regulations governing the course. If selected, I shall attend the programme for the entire duration. I also undertake the responsibility to inform the Coordinator in case I am unable to attend the course.

Place:

Date: Signature of the Applicant

## SPONSORSHIP CERTIFICATE

Mr/Ms/Dr \_\_\_\_\_

is an employee of our Institute / Organization and is hereby sponsored. He/She will be permitted to attend the programme in full, if selected.

Place: Signature of the Sponsoring Authority

Date: Office Seal

### **For any queries contact:**

Dr.A.Sheela M.E., Ph.D.,

### **Co Ordinator**

One day National level

### **Workshop on**

### **“BUILDING AUTOMATION”**

Department of EEE

Kongu Engineering College

Perundurai Erode-638 060 TamilNadu

Contact Mobile –9842782076, 9865255912

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## ABOUT THE COLLEGE

Kongu Engineering College (KEC) established in 1984, approved by AICTE, New Delhi, accredited by NAAC for 5 years with the grade of “A++” and an autonomous institution affiliated to Anna University Chennai, has completed 38 years of dedicated and excellent service in the field of technical education. The college offers 17 UG, 15 PG and 16 research programmes in Engineering and Applied Sciences. It is one of the best self financing engineering colleges imparting high quality technical education in Tamil Nadu, India, and is well-known for its technical excellence, modern facilities, record of performance with excellent results and enterprising students. Ranked 33<sup>rd</sup> among top 100 Private Engineering institutions including Deemed to be Universities in India by “Outlook” 2021 magazine, 12<sup>th</sup> Position among private Engineering colleges in South zone 25<sup>th</sup> Position in private Engineering colleges in India by “The Week” Magazine 2021. Ranked 164<sup>th</sup> position in private Engineering colleges in India by NIRF ranking 2021. It has an active Industry- Institute Partnership (IIP) Cell to interact with industries. Received Sustainable Institute Industry Partnership Award consecutively for two years (2014 & 2015) from the Institution in Society for Educational and Entrepreneurship Development, Chennai. It has got NBA accreditation for most of the UG programmes and is an ISO certified institution. It has also got the Best Engineering College award and the Best Principal Award from ISTE. It has established a Technology Business Incubator (TBI) supported by the Department of Science and Technology, Government of India, and won the National Award presented by the President of India on Technology Day in New Delhi. Kongu Engineering College has been awarded as the Most Clean Campus for the Year 2017 by AICTE.

## ABOUT THE DEPARTMENT

The Electrical and Electronics Engineering department occupies a prominent place in the chronicles of its academic history. The department has been consistently producing illustrious Engineering graduates of high caliber who occupy prestigious positions in the academic and industrial fields. The specialization of the faculty includes Power System Engineering, Power Electronics and drives, Energy Engineering, Applied Electronics, Control Systems, VLSI, Bio-Medical Engineering, Digital Signal Processing, Sensors and Networks, Computer Networks, Instrumentation and Control etc. The department offers four year UG programme in EEE and two year PG programme in Power Electronics and Drives. The department also carrying out many consultancy activities like energy auditing to many industries. EEE Department of Kongu Engineering College has bagged the National level award under the category “Best Industry linked Technical Institute for the Electrical Engineering stream”, on the survey organized jointly by AICTE and CII during June-July 2013, for the year 2012-13. Renewable Energy Research Centre has been established under Department of Science and Technology funded Rs.1 crore to conduct research in renewable energy and provide tangible outcome in the form of product development for the Academic year 2018-19.

## ABOUT THE LOCATION

The college is situated at Perundurai on the National Highway (NH 47) about 80 km from Coimbatore and 20 km from Erode.



**One Day National  
Level Workshop  
on**



**“BUILDING AUTOMATION”  
13.05.2022**

**Organizing Committee by**

**Co Ordinator**

**Dr.A.Sheela M.E., Ph.D.,**

Associate Professor & Head of the Department  
Department of Electrical & Electronics Engineering

**Dr.R.Meenakumari M.E., Ph.D.,**

Professor

Department of Electrical & Electronics Engineering

**Mr.P.Tamilarasu M.E.,**

Assistant Professor (Senior Grade) / EEE

Department of Electrical & Electronics Engineering

Organized by  
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