



*KTU Sponsored
One Week Faculty Development Programme*

Hands on Workshop on Internet of Things (IoT) for Electrical Applications

16th - 21st July 2018

Co-ordinators:

Dr. Mayadevi N., Dr. Hari Kumar R. & Dr. Mini V. P.



Organised by



*Dept. of Electrical Engineering
College of Engineering Trivandrum
Thiruvananthapuram Kerala - 695 016
www.cet.ac.in*

About College of Engineering Trivandrum

College of Engineering Trivandrum (CET) was established in 1939 as the first engineering college in the then Travancore state. Over the past 79 years it has grown to the most sought-after institute for engineering studies in the state of Kerala. The College has eight full-fledged engineering departments offering undergraduate, post-graduate and Ph.D. programmes under the A.P.J. Abdul Kalam Technological University (KTU).



Ever since the inception, the college has maintained its commitment to high quality education. It has a vast and strong alumni base, spread across the world.

About the Department

Department of Electrical Engineering, College of Engineering Trivandrum began its operations along with the establishment of the college in 1939. The department offers an undergraduate B.Tech. programme in Electrical & Electronics Engineering and four M. Tech. programmes (Control Systems, Power Systems, Electrical Machines and Guidance & Navigational Control). The department is recognised as a QIP centre for Ph.D. programme by the MHRD, Government of India.

Objectives of the Programme

The Internet of Things (IoT) is emerging as a revolutionary technology in transforming modern day living. The applications of IoT are not limited to particular fields, but span over a wide range of applications such as energy systems, homes, industries, cities, logistics, health, agriculture and so on. IoT is not only just connecting things such as machines, devices and appliances, but also allowing the things to communicate, exchange control data and other necessary information, while executing applications. This course aims to provide an insight into:

- ◆ IoT technologies, architecture, standards and protocols
- ◆ IoT based smart systems
- ◆ IoT based smart renewable power
- ◆ Module design and development using Raspberry Pi and basic sensors
- ◆ Installation of embedded OS and data acquisition
- ◆ Setting up of basic IoT gateway
- ◆ Data storage in the cloud, data visualization and real-time control

Resource Persons

The resource persons consist of faculty members from National Institutes, CET and industry.

Eligibility

The FDP is open for faculty members of APJ Abdul Kalam Technological University (KTU) affiliated Engineering colleges. Faculty members from EEE, EIE and ECE can attend the program. All registered participants will be provided with kit and course material. Participation certificates will be issued to all the participants who have attended the FDP on all days.

Registration

Fill the online form at <https://goo.gl/gT9Fv2>. The scanned copy of the signed sponsorship certificate has to be uploaded in the online form. Maximum number of seats is limited to 30.

TA/ Accommodation

Participants have to make their own arrangements for travel, boarding, and lodging. No TA/DA will be paid. Working lunch and refreshments will be provided.

Important Dates

Last date for receipt of application: **10-07-2018**

Intimation of selection: **11-07-2018**

Address for Correspondance

Dr. Hari Kumar R.

Assistant Professor in Electrical Engineering,

College of Engineering Trivandrum, Thiruvananthapuram - 695016

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Sponsorship Certificate

Certified that Mr./ Ms./ Dr. is an employee of this institution and is hereby sponsored for the FDP on **Hands on Workshop on Internet of Things for Electrical Applications** at College of Engineering Trivandrum during 16th - 21st July 2018. He/ she will be permitted to attend the course fully, if selected.

Place:

Date:

Name & Signature of the
Sponsoring Authority

(Seal of the Institution)