

INTRODUCTION

The Internet of Things (IoT) has the potential to transform our economy, society and how we actually live our lives. Both the digital and physical worlds are coming together through IoT, a combination that will likely revolutionize our lives, and unleash infinite possibilities. We are at the beginning of a huge wave of growth in the IoT. In this workshop, participants will learn from experts about core and advanced aspects of IoT such as hardware platforms, embedded design, underlying protocols and standards, cloud connectivity and also get hands-on experience to imagine, design and build connected devices in an end-to-end IoT scenario.

OBJECTIVES

This workshop is designed exclusively for students as well as professionals who are keen on getting hands-on with IoT/M2M protocols and standards on IoT/M2M hardware. At the end of the workshop, participants would be able to build modules for smart city by smart connected device and gain profound knowledge of IoT/M2M protocols and related state-of-the-art.

PREREQUISITES

Basic Electronics, simple programming

CONTENTS

- ❖ Introduction to IoT
- ❖ Overview of Electronics – Embedded Designs – Open Source Hardware Platforms
- ❖ Development Platforms – MCU/SoC - Boards
- ❖ Introduction to IoT Board and Hands-on
- ❖ Interfacing sensors, actuators
- ❖ Communication using 6LoWPAN/UDP
- ❖ M2M and Cloud Integration
- ❖ Demonstration of Smart City Prototype.
- ❖ Demonstration of LORA WAN

TARGET GROUP

Students from AICTE approved technical institutions can participate in this workshop. Internal participant from various departments are also welcome. All participants have to get them sponsored from the Principal/Head of the department and send their duly filled application on the enclosed prescribed proforma to the program coordinator as early as possible. There are only limited seats available for the course and the selection will be on First Come First Serve basis.

LAST DATE

Limited seats are available. The last date for receiving the applications from the participants for this training program is 14th August, 2017.

COURSE FEE

A course fee of Rs. 500/- is chargeable from students. The course fee includes course materials (if any) and participation fee. Payment can be made directly at the time of registration. Limited accommodation is available on payment basis. Outstation participants have to make their own arrangements if accommodation is not available in the institution.

COORDINATORS

Mr. Sobin C C

Information Technology Department
MES College of Engineering Kuttippuram
E-mail: sobincc@gmail.com
Mob: +91-9895353067

Mr. Edet Bijoy K

Electronics and Communication Engineering
MES College of Engineering Kuttippuram
E-mail: edetbijoyk@ieee.org
Mob: +91-9037325763

Mr. Harikrishnan G R

Nodal Officer
Entrepreneurship Development Cell (EDC)
MES College of Engineering Kuttippuram
E-mail: mesceedc@gmail.com
Mob: +91-9446610407

Two Day Hands-on Workshop

On

Internet of Things (IoT) & M2M

at

MES College of Engineering Kuttippuram
(www.mesce.ac.in)
Kuttippuram, Malappuram

18 – 19 August 2017

Name : _____

Age: _____ Sex: Male Female

Class: _____

Branch: _____

Institution : _____

Address : _____

Phone No. with STD Code : _____

E-Mail : _____

Signature of the Applicant :

Recommendation of the Principal/Head of the Department of the Sponsoring Institute

(Signature with seal)

[Last Date of Submission of Application is 14th August, 2017]

[Please mail the scanned copy of the registration form to sobincc@gmail.com]

WORKSHOP TRAINER

Dr. Vimalathithan Rathinasabapathy:

A Young Researcher and Entrepreneur based from Coimbatore. He has over 16 years of experience in R&D. His specialization includes M2M, Smart City Projects, System Design; Cryptography based chips, EMIC, Internet of Things and Wireless Sensor Networks. His current research progresses are in M2M (Machine to Machine) and Internet of Things. He holds PDF from University of Padova.

ADDRESS FOR COMMUNICATION

Chief Coordinator: Sobin C C
Assistant Professor
Department of IT
MES College Of Engineering
Kuttippuram – 679573
Malappuram Dt
PH: 0494 – 3051200

A path Way to Smart City



ABOUT THE INSTITUTE & DEPARTMENTS

Established in the year 1994, by THE MUSLIM EDUCATIONAL SOCIETY, the college is situated in the scenic beauty on the bank of Bharathapuzha.

Department of Information Technology was started in 1999 with an intake of 40 and later intake increased to 60 in 2000. The department is equipped with two computer labs, a Library and a seminar hall. Department was accredited by National Board of Accreditation (NBA) in 2011. The department also accredited by Tata Consultancy Services. The department has been conducting series of short-term training programmes for the faculty and students. The department maintains a superior placement record. The B.Tech degree offered by the department follows the curriculum and syllabi as well as the rules and regulations of the University of Calicut and APJ Abdul Kalam Technological university. Department offers online specialised courses with IIT Bombay and IIT Madras. The department Organised International Conferences (ICIST) in 2007 and 2011.

The Electronics and Communication department started functioning right from the inception of the college in 1994. Currently Dept offers B Tech Electronics and Communication Engineering consisting of 2 batches and a post graduate program in Communication Engineering and Signal Processing, started in the year 2012. The department is accredited twice by NBA in the years 2004 and 2009. Both the B-Tech and M-Tech Degree offered by the Department follows the curriculum and syllabi as well as the rules and regulations of the University of Calicut and APJ Abdul Kalam Technological university. The department has nine well equipped state of the art laboratories.

HOW TO REACH MESCE Kuttippuram

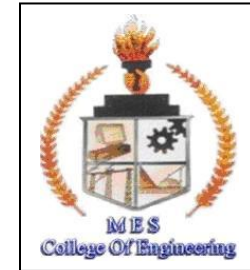
Kuttippuram is situated on the Shoranur – Calicut section of the Southern Railway. MES College of Engineering is located at Thrikanapuram, 3kms south of Kuttippuram railway station, on the Kuttippuram – Thrissur state-highway. The nearest Airport is Karipur – 50kms away from the college.

TWO DAY HANDS-ON WORKSHOP

ON

INTERNET OF THINGS & M2M

18 – 19 August 2017



Organized by

**Departments of IT
in association with Dept. of ECE & EDC
MES College of Engineering Kuttippuram**

**An ISO:9001-2008 Certified
Institute**

**Thrikannapuram P.O, Malappuram
Kerala**

