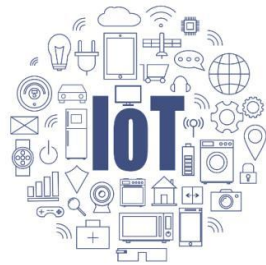# TWO DAY WORKSHOP ON
INTERNET OF THINGS
[IoT]

1st & 2nd March 2018

Organised By
Continuing Education Cell of Electronics and Communication Engineering Department

In Association with **IEDC MESCE**

MES College of Engineering, Kuttipuram

ABOUT THE WORKSHOP

With the wide availability of Broadband Internet, the cost of connecting more devices to internet has drastically reduced. Internet of Things has thus emerged which allows literally any device connected to the internet, with an estimated number of over 100 billion devices within the next 5 years from now. This course introduces you to the amazing world of IoT and its fascinating applications, using a Raspberry Pi computer.

ABOUT THE INSTITUTE

M.E.S College of Engineering Kuttippuram the first private Engineering College established under the self financing sector in Kerala is situated on the beautiful and serene banks of Bharathapuzha. It was established as an institution with minority status in 1994. Widely acknowledged as one of the premier institutions imparting technical education in the state, the college offers admission to all categories of students with special consideration to educationally backward communities. At present college offers eight undergraduate programs including B Arch and ten post graduate courses in M Tech, MCA, MBA and M Arch. Nearly 3000 students study here under the guidance of over 240 qualified faculty members and research guides

Vision

To develop an institution of international standing to provide quality education in Engineering Technology and Management and empower students to face challenges, taking care of societal responsibilities.

Mission

● To provide state-of-art knowledge and skills to serve industry and society with dedication.

● To develop creativity and innovative research capabilities in the students, making them capable of useful contributions in the creation of knowledge society.

● To inculcate leadership qualities, human values and social responsibilities in the youth to make them leaders in nation building.

ABOUT THE DEPARTMENT

The 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. The B-Tech, M-Tech and PhD 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.

Vision
To be a centre of excellence in Electronics and Communication Engineering Education and research to produce globally competent and socially committed professionals.

Mission
- To impart high quality education in Electronics and Communication Engineering.
- To provide best facilities, infrastructure and training to students and faculty members and thereby create an ambience to excel in engineering education and research.
- To have adequate mechanisms to enhance understanding of implementation of theoretical concepts in practical situations of industrial and social relevance.

Bitsforge Technologies Private Limited

Bitsforge is an independent electronic product development consultancy specializing in the design and development of high-speed embedded systems. Our services include turnkey product development, technical consultancy and project support at any stage of the NPI process. Bitsforge prides itself at being flexible and can do as much or as little as is required, from an initial concept study, through the detailed design, product testing, and management of regulatory approvals and on to the introduction into volume manufacturing.

COURSE CONTENTS

Getting Starting With Python and Flask

Introduction to Python
Introduction to Raspberry Pi
Hosting templates using Flask

HTML coding

Layout designing
Forms
Method
Conditional

Raspberry Pi interfacing

Data Accusing
Device actuating

MQTT Protocol

MQTT connect
Subscribe
Publish
Project discussion

PARTICIPANTS
The target audiences for the workshop are B.Tech, M.Tech students of all branches

REGISTRATION
The participants can register online through following link **https://bit.ly/2GLHbu2**

Registration fee: Rs. 500/-

Last date for receipt of registration form (Online/offline) – **28.02.2018**

STAFF COORDINATOR

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