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Dr. Sathish Annigeri

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Dr. K. Manjunatha

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Dr.K. Thippeswamy

Professor & Chairman, CSE, VTU, Mysuru

CONVENER:

Mrs. Nirmala Hiremani

Asst. Professor, CSE, VTU, Mysuru

COORDINATORS:

Mrs. Shashirekha H

Assistant Professor, CSE, VTU, Mysuru

Mrs Pushpalatha R

Assistant Professor, CSE, VTU, Mysuru

Mrs Geetha N B

Assistant Professor, CSE, VTU, Mysuru

NATIONAL ADVISORY COMMITTEE:

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Professor & Head, NIE Mysuru

Dr. Siddaraju

Professor & HOD, Dr.AIT, Bangalore

Dr.Siddappa M

Professor & HOD, SSIT, Tumkur

ABOUT VTU:

Visvesvaraya Technological University (VTU) is a collegiate public state university in Karnataka State India. It was established on 1 April 1998 by the Government of Karnataka as per VTU Act 1994, to improve the quality of technical education in the state. Apart from a few notable exceptions, VTU has complete authority in the state of Karnataka. It is a statutory requirement for colleges offering any program in engineering or technology in the state to be affiliated with the university.

The university is named after Sir M. Visvesvaraya from Karnataka, the only engineer to be awarded a Bharat Ratna award, the highest civilian award in India. Jnana Sangama, Belagavi is the headquarters of VTU. Additionally, the university has four regional centers located in Bangalore, Belagavi, Gulbarga and Mysuru.

VTU is one of the largest universities in India with 208 colleges affiliated to it with an intake capacity of over 67100 undergraduate students and 12666 postgraduate students. The university encompasses various technical & management fields which offers a total of 30 undergraduate and 71 postgraduate courses. The university has around 1800 Ph.D candidates.

ADDRESS FOR COMMUNICATION:

Mrs. Nirmala Hiremani

Assistant Professor

Department of Computer Science and Engineering

VTU Centre for Post Graduation Studies, Mysuru

Ph: 09483570925

Visvesvaraya Technological University "Jnana Sangama", Belagavi



Department of Computer Science & Engg. Centre for Post Graduation Studies, Mysuru

Presents

Two days Workshop on "Internet of Things (IoT) and its Applications"



On
Date: 10th & 11th December, 2018

EVENT ORGANIZERS

Centre for Post Graduation Studies
Visvesvaraya Technological University
Hanchya Sathagalli, Mysuru

In association with



FluxGen, Bengaluru

ABOUT IoT:

The Internet of Things, or IoT, is a field primed to take off in the next few years. While the IoT as of now, currently consisting of about 5 billion devices worldwide, the field as of now is simply learning to walk before taking off and running. Recent estimates by industry leaders, Cisco and GE, predict that by the year 2020 there will be more than 5 billion people connected to the IoT. As in, well over two thirds of the world's current population. These same estimates predict that these people will make use of more than 50 billion devices, contributing \$7.1 trillion to the global market. Our flagship workshop caters to this current need for engineers to get into the IoT industry.

WORKSHOP OBJECTIVES:

- To understand the Engineering, Market and Innovation opportunities in IoT.
- To provide exposure to value chain in IoT
- To learn the subject by Hands -On experiments and by using relevant Industry Standard Prototyping tools.
- To introduce practical challenges involved in IoT deployments through case studies To provide exposure about Security in IoT.
- Workshop is opens to all Post Graduate students, Research Scholars and Faculties of Engineering Colleges.

TOPICS TO BE COVERED:

The 2 days IoT training, gives an overall industry level hands on experience, which include a lot case studies. These case studies are from industry level projects which help the participants get a better idea as to how IoT systems are designed and implemented in the industry

THE WORKSHOP SESSIONS EXPOSE THE PARTICIPANTS TO:

- Demo on MTEch, 1st semester CBCS scheme, IoT laboratory work.
- Industrial Internet of Things (IIoT) System, challenges and solutions.
- Types of basic sensors and actuators Advanced sensors/actuators and their interfacing to embedded platforms.
- Different types of protocols in IoT and their use in Industry 4.0 with Case studies.
- Introduction to Security in IoT.
- Wired and wireless communication networks.
- Database management and data handling between the embedded devices and the server.
- Database management and data handling between the Smartphone and the cloud server.
- Demo of a working IoT system.

WORKSHOP OUTCOMES:

The participants shall be

- Able to understand the Application and Opportunities in IOT.
- Able to realize the revolution of Internet in Mobile Devices, Cloud & Sensor Networks.
- Able to understand building blocks of Internet of Things and characteristics.
- Able to get system level implementation of IoT project.
- Able to kick start an IoT Project after the Workshop.

Visvesvaraya Technological University "Jnana Sangama", Belagavi-590018

Two Days Workshop on **Internet of Things (IoT) and its Applications**

Date: 10th and 11th December, 2018

REGISTRATION FORM

Title: Dr./Mr./Mrs./Ms.

Name: _____

Designation: _____

Department: _____

College Name: _____

Affiliation: _____

Address: _____

e-Mail ID: _____

Contact No. : _____

DD No: _____ Date: _____

Bank: _____

Registration fee of Rs: 1000/- to be paid in the form of Demand Draft drawn in favour of
"The Finance Officer VTU Belagavi"

Signature of the Participant:

Signature & Seal of Principal/HOD: