

**REGISTRATION FORM**  
**A Two Day Interdepartmental Workshop on**  
**“IoT and its applications in the Field of**  
**Engineering”**

24<sup>th</sup> -25<sup>th</sup>, March 2017

1. Name :
2. Qualifications :
3. Teaching Experience :
4. Designation/Dept :
5. Institution :
6. Address for  
Correspondence :
7. Phone (O) :
- Mobile :
8. E-Mail :
9. D.D No., Date and  
Bank Details :
10. Accommodation required: (Y/N)

**DD should be drawn in favor of “HOD IT-UCEV”**  
**payable at Vizianagaram.**

**ONLINE REGISTRATION**  
**<https://goo.gl/forms/nzxeXou4igLN55aA2>**

**DECLARATION**

The information furnished above is true to the best of my knowledge. I agree to abide by the rules and regulations governing the workshop.

Place:

Date: Signature of the Applicant

**SPONSORSHIP CERTIFICATE**

Certified that Mr./Ms. \_\_\_\_\_ is a regular employee/student of our institution and is hereby sponsored for the two day workshop on " **IoT and its applications in the Field of Engineering**" at JNTUK-UCEV, Vizianagaram during March 24-25, 2017.

Signature with Seal of the sponsoring authority

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Hon'ble Vice Chancellor  
JNTUK, Kakinada

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**Prof. G.Jaya Suma**  
HOD, Department of IT

**CO-ORDINATOR(s)**

**Dr. V. S. Vakula**  
Asst. Professor & HOD, Dept.of EEE  
**Dr. G. Madhavi**  
Asst.Professor of IT

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Mr. W. Anil, Asst.Professor



**A Two Day International &**  
**Interdepartmental Workshop on**  
**“IoT and its applications in**  
**the Field of Engineering”**

24<sup>th</sup> -25<sup>th</sup>, March 2017



**University College of Engineering**  
**Vizianagaram**  
**JNTUK Kakinada**

**Organized By**  
**Department of Information Technology &**  
**Department of Electrical & Electronics Engg**  
**JNTUK- University College of Engg**  
**Vizianagaram, Vizianagram-535003**  
**<http://jntukucev.ac.in>**

## ABOUT THE IT DEPARTMENT

In the few years, the department of IT has acquired great importance in Technical World by the collective and responsive effort of the faculty, supporting staff and students. Department of IT offers UG (B.Tech.), PG (M.Tech.) programs and MCA program. Faculty members aim at delivering top class education blending their rich research.

## ABOUT THE EEE DEPARTMENT

Department of EEE offers UG & PG to students seeking a challenging environment to pursue academics. The department has adequate teaching faculty having varied fields of specialization in Electrical Engineering. The faculty is engaged in active research in the areas of Power System Optimization, Adaptive Power System Stabilizers, Hybrid Power Systems, Power Electronic Drives, and Large Scale Uncertain Systems.

## INTRODUCTION

India has the 11th largest economy in the world by nominal GDP and 4th in terms of PPP. It is also pacing forward economically and is self assured to be an economic superpower by 2020. Information technology (IT) is an example of a general purpose technology that has the potential to play an important role in economic growth, as well as other dimensions of economic and social development. Internet of Things (IoT) is a concept and a paradigm that considers pervasive presence in the environment of a variety of IP connected objects. They make themselves recognizable and obtain intelligence by making or enabling context related decisions and can communicate information. IoT technology plays an important role in rationalizing the transfer of big data over an internet protocol for effective communication between sensors and smart meters for automatically switching on or off the devices. By 2020, over 50 billion connected things, with over 200 billion intermittent connections are forecast. As a result of this the IoT applications require classical industries that are adapting the technology to create opportunities for new industries to emerge, deliver enriched new user experiences and services. Some of

the high impact applications of IoT involve the smart home, education, transport, energy, business, earth, telecommunication, computers, environment and security management integrated into a single ecosystem with a shared user interface. This ecosystem of interconnected things and the technology that manages them is expected to have a market potential of \$15 billion by 2020 in India alone. Implementation of the IoT in smart environments has their challenges that open up opportunities for IT service providers. To face the challenges and take hold of IoT applications, one has to clearly understand about data leakage, cyber-attacks, unreliable internet connectivity, lack of data management capability. Researchers should focus on some of these challenges to realize the desired benefits of the IoT technology.

## OBJECTIVE OF THE WORKSHOP

The main objective of this workshop is to realize the desired benefits of the IoT for smart environments. This indicates that the researchers has to have a common understanding about the capability of IoT technologies to improve and easily adapt manufacturing , operation, supervision processes, enable new & efficient ways in production to reduce operational cost, that offer an optimized infrastructure and human safety. In this workshop, eminent speakers will be invited to address specific issues on the technological aspects of the IOT in smart environments. Every session in the workshop will culminate in a panel discussion to identify specific research and development challenges as well.

## TOPICS

- IoT Applications
- Big Data Analytics
- Wireless Sensor Technologies
- Smart Grid Networks
- Connected appliances & Smart meters
- Predictive maintenance & Flow Control

## INVITED SPEAKERS

- **Prof. S.R.Kolla.,**  
*Bowling Green University, Ohio, USA*
- **Dr. Sudip Misra.,** *Dept. of CSE*  
*Indian Institute of Technology Kharagpur*
- **Dr.N.Venkatesh.,** *Senior Vice-President*  
*Advanced Technologies at Redpine Signals Inc.*
- **Dr. Thinagaram Perumal.,** *Faculty CS&IT*  
*University Putra Malaysia*
- **Mr. Ravi Katukam.,** *CEO*  
*Ennovator Engineering*

## REGISTRATION

All Participants with CSE, IT, ECE, EEE & Civil background can register for workshop by sending the filled in Registration form along with DD. Last Date for receipt of Registration form- **18<sup>th</sup> March, 2017.**

Type of Participant	Fee
Academicians/ IEEE Members	Rs.1200/-
Industrialists	Rs.2000/-
Non-IEEE Members	Rs.1500
PG Students	Rs.800/-

\* Accommodation will be arranged for interested participants on prior intimation through mail at the college hostels on nominal payment basis.

## VENUE

JNTUK- University College of Engg Vizianagaram  
Vizianagaram-535003

## FOR DETAILS CONTACT

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