

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

2nd -3rd , Dec 2016

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)

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 Dec 2-3, 2016.

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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Smt. A.Padmaja, Asst.Professor.



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

2nd -3rd , Dec 2016



**University College of Engineering
Vizianagaram
JNTUK Kakinada**

Organized By
**Department of Information Technology &
Department of Electrical & Electronics Engg**
**JNTUK- University College of Engg
Vizianagaram, Vizianagaram-535003**
[http:// jntukucev.ac.in/IoTAFE2016](http://jntukucev.ac.in/IoTAFE2016)

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.

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

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

- **Dr. Thinagaram Perumal.,** *Faculty CS&IT, University Putra Malaysia*
- **Prof. S.R.Kolla.,** *Bowling Green University, Ohio, USA*
- **Prof. A.Govardan.,** *Principal JNTUH College of Engg Hyderabad*
- **Prof. G.Tulasi Ram Das.,** *Dept. of EEE JNTUH College of Engg Hyderabad*
- **Dr.N.Venkatesh.,** *Senior Vice-President, Advanced Technologies at Redpine Signals Inc,*
- **Ashok Polapragad.,** *Manager Bigdata Karvy Analytics*
- **Mr. Gopi Kumar Bulusu,** *CEO Sankhya Technologies*

REGISTRATION

All Participants with CSE, IT, ECE, EEE & Civil background can register for workshop by sending the filled in Registration form along with DD.

Type of Participant	Fee
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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