

**APPLICATION FORM**  
**A One week**  
**Orientation Programme**  
**on**  
**Machine Learning and IoT**  
**(MLIoT)**  
**3<sup>rd</sup> -8<sup>th</sup> December, 2018**  
**(Under TEQIP Phase-III)**

1. Name :  
2. Designation :  
3. Organization :  
4. Department :  
5. Mailing Address:  
    Phone with STD code Office:  
    Res :  
    Mobile :  
    Email :  
6. DD Details :  
    DD No :           Dated :  
    Drawn on :
- Place:                   Signature of the Applicant
- Date:
- Place:           Signature of Head of the Institution
- Date:                   (With seal)

**Chief Patron:**  
Prof.G.Nageswara Rao,  
Vice Chancellor, AU, VSKP.

**Patrons:**  
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Principal, AUCE (A), VSKP.  
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**Co-Chairman:**  
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**Coordinators:**  
Dr. K.R.Sudha,  
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Dr. R.VijayaSanthi  
Assistant Professor, Dept. of EE, AUCE(A), VSKP.

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**Advisory committee:**  
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Prof. T.R.Jyotsna, AUCE(A),VSKP  
Prof. Ch.V.V.S.BhaskaraReddy, AUCE(A), VSKP  
Prof. N.PremaKumar, AUCE(A),VSKP  
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Dr. K.Padma, AUCE(A), VSKP  
Dr. R.SrinuNaik, AUCE(A), VKP  
(Dr). B.AmarendraReddy, AUCE(A), VSKP

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**Professor,**  
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**Dr.R.VijayaSanthi**  
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**Dept. of EE, AUCE(A)**

**Organized by**  
**Dept. of Electrical Engineering**  
**AU College of Engineering (A)**  
**Andhra University**  
**Visakhapatnam– 530 003, AP.**

*Technology Partner*



### About the University

Andhra University is a premier Institute of higher education in India, was established in 1926, located on the uplands of Visakhapatnam. The city of Destiny', the University Presently is Offering 313 Courses in Arts, Commerce, Management, Science & Technology, Engineering, Law, Pharmacy and Education. Sir Dr.C.R.Reddy was the founder Vice-Chancellor of the Andhra University.

### A U College Of Engineering (A)

Andhra University College of Engineering had its beginnings in the Composite Madras State before Independence in 1946. In 1955 after the first bifurcation of the State from the Combined Madras Government, Mechanical, Civil & Electrical engineering branches were established on the University Campus.

Andhra University College of Engineering campus had been established in 1955 on a sprawling area extending to 160 acres. The shift had seen the Engineering campus emerge as the present Andhra University College of Engineering Autonomous. Today the Campus offers 17 UG and 35 PG programmes besides research on par with technical institutions worldwide. The college is a TEQIP Phase III supported institution

### About the Department:

The Department of Electrical Engineering was started in 1955 as one of the three constituents of the Department of Engineering in Andhra University. The status of a Department was given in 1969. The department has grown significantly and currently offers a UG program in Electrical and Electronics Engineering and PG programs in Power Systems & Automation and Control Systems Engineering. The department initiated developmental activities in the emerging areas of CAD and Robotics with MHRD grants. The department has well established Machines, Networks, Measurements, Power Electronics, Microprocessor, Control system and Digital Electronics Laboratories.

The department is periodically organizing refresher courses for APSEB practicing engineers. The department had undertaken consultancy projects in collaboration with NSTL.

### About iB Hubs

iB Hubs is a PAN India startup hub committed to developing a culture of innovation. iBHubs contributes to the mission of developing skilled workforce in advanced technologies in India, through IoT Bootcamps which are hands-on training programmes on IoT.

### Scope of the Programme:

- IoT Technology basics and Lifecycle
- IoT Hardware Development Platforms & Programming
- Sensors and Actuators in IoT environment
- IoT and Cloud
- Integration of IoT into Smart Grid
- IoT for Smart metering
- Deep learning, Reinforcement learning, applied to Electrical Engineering
- Microsoft Azure AI applied to Electrical Engineering

### Learning Outcomes :

- Get insights of 'end-to-end IoT Architecture'
- Working knowledge of a wide-range of IoT Development Boards like Arduino, Raspberry Pi, ESP8266 and others.
- Ability to make a choice of sensor(s) for one's own use-case or project or product.
- Technical insights on wireless communication technologies including WiFi, Bluetooth, BLE, Zigbee etc.
- Working knowledge of DIY IoT Cloud Platforms.
- A proper direction to build IoT product prototypes.
- A comprehensive understanding of IoT from a Maker's point of view.

### Additional information:

During this workshop participants will have Hands-on Sessions by experts in Internet-of-Things. During the training participant can fabricate and program the hardware.

**Every participant should bring their laptops.**

### Resource Persons

- Sanjeev Malhotra, CEO at Centre of Excellence for IOT & AI NASCOM and MEITY, GOI Bengaluru, India.
- K.N.Kashibhatla, Principal Consultant at Bluestone partners, Greater Atlanta-Georgia-USA.
- Bharadwaj Pudepeddi, Sr. Director, Azure AI at Microsoft Technologies, San Francisco, California.
- Sandhya.M Director, Product operation ,DELL EMC, Bengaluru.
- Technical persons from iB Hubs.
- Professors from Andhra University.

### Eligibility and Selection

Faculty and PG & PhD Scholars from AICTE approved Institutions & Industry can apply. Available seats are **30** and selection will be based on first-come-first- served basis.

### Travel and Accommodation

Participants should make their own travel and accommodation arrangements.

### Registration fee Details (includes IoT development board and Lunch)

Participants	Amount (Rs)
Faculty, scholars and industry participants	3000/-

The registration amount is to be sent along with the application form in the form of demand draft payable at Visakhapatnam, in favor of "Coordinator, MLIoT"

### Dates to Remember:

Last date for receiving application: 27-11-2018.

Intimation to selected candidates: 29-11-2018.

Registration: 01-12-2018.

**Mailing Address:** All correspondence should be addressed to

**Coordinator MLIoT,**

**Department of Electrical Engineering, AU**

**College of Engineering (A)**

**Andhra University, Visakhapatnam – 530 003**

**Andhra Pradesh, INDIA.**

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