

**Jawaharlal Nehru Technological University**, the **First Technological University** of India, was established on 2<sup>nd</sup> October 1972 in Andhra Pradesh with headquarters located in a historical city **Hyderabad**. The University is one of the premier Universities in India accredited by **NAAC** with „**A**“ Grade. After successful and proven levels of appreciated existence and stature spanning over 36 years, JNTU has been divided into four different universities by Govt. of Andhra Pradesh, through Act No.30, Dt. 24<sup>th</sup> September, 2008. One of the constituent colleges of the University “**JNTUH College of Engineering, Hyderabad**” is regarded as a pioneer in shaping the excellence of some of the leading organizations of the industry, by churning out the finest professionals with a resolve to scale greater heights in the technological scenario, every year. Other constituent college of JNTUH is located at Jagityal and 11 other academic units at Hyderabad campus.

The Department of **Electronics & Communication Engineering** established in 1973, is instrumental in molding the careers of students and helping them to become world-class professionals. The department is offering UG, PG, Research and Collaborative Programmes with well experienced faculty and as well as established laboratories. Besides highly qualified and experienced staff and well-equipped laboratories, the Department has been awarded **8.1** points out of **10** by the **State Board of Technical Education**.

#### **Edgate Technologies Pvt., Ltd.:**

EdGate Technologies provides high-performance ARM, DSP, FPGA processor boards and I/O modules in support of high performance, parallel processing applications in a variety of fields including Multimedia, Imaging, Networking, Industrial control and Military. We offer rapid, reliable software, firmware and hardware solutions for prototyping, business applications and the development environment.

EdGate Technologies provide a whole range of services by leveraging its business expertise by strategic alliances with leading technology providers.

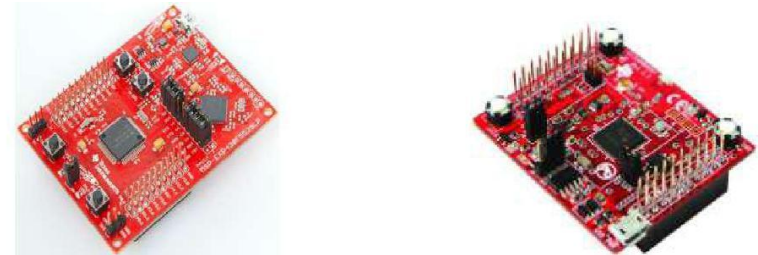
EdGate Technologies has an extensive presence all over the country and well established connectivity within the academic and corporate communities. Our aim is to reach out to the Corporate, educators and the engineering student community to help them achieve more in their research and their learning initiatives.

#### **Overview:**

*This workshop offers a neat introduction on the “**Internet of Things**” and is based on the advanced development tools from Texas Instruments. The **MSP430 ultra low power LaunchPad** and the **CC3100 boosterPack** offer a complete wifi IOT solution while the integration of Energia with the IOT platform simplifies the IOT application development. So, what will you **INNOVATE**?*

#### **Tools Used:**

- *MSP430F5529 LaunchPad*
- *CC3100 BoosterPack*
- *Energia and Code Composer Studio v6*



#### **Pre-requisite:**

- *Basic understanding in Programming, Digital Electronics*

#### **Registration Fee: Faculty / Student -Rs. 400-00**

**Note:** DD/cash in favour of Coordinator, WS\_ECE, JNTUH CEH, Hyderabad payable at Hyderabad. (Tea and working lunch will be provided at the venue during the program).

**Limited seats:** Registration is on first come first serve basis. Selected participants will be informed by mail by **28<sup>th</sup> July, 2017**. Seats will be blocked based on receipt of payment in advance.

**Last date for registration: 28<sup>th</sup> July, 2017.**

#### **Travel/Accommodation**

Participants are required to make their own arrangements for travel, local

conveyance and accommodation.

**Address for Correspondence**

**Dr. M. Madhavi Latha**

Professor & Coordinator - CVED

Department of ECE, JNTUH CEH

Cell: 9848506611, Email: mlmakkena@yahoo.com

**Venue:** CVED, 2<sup>nd</sup> Floor, ECE Department, JNTUH CEH,

**Time:** 10:00 AM to 5:15 PM

Day\Time	10:00-11:30	11:45-1:00	2:00-3:30	3:45—5:15
29-7-2017	MSP430F5529: Introduction Architecture Low Power Features	Energia Framework: Overview of Energia <b>Lab:</b> LED,Switch, UART, ADC, PWM labs using Energia	IOT: What is IOT? TCP/IP internet Technologies CC3100 Booster-pack	Overview of Energia Wi- Fi libraries <b>Lab:</b> Wi-Fi connection, acquiring IP, Gateway IP
30-7-2017	Client Server Paradigm <b>Lab:</b> Client Communication between two LaunchPads	Control your LaunchPad using Wi- Fi <b>Lab:</b> IO Manipulation on LaunchPad using Web browser	Overview of Temboo cloud services <b>Lab:</b> Using Nexmo text to generate call based Alert system	Email Application <b>Lab:</b> Send Email using Your LaunchPad

**Registration Form**

Name of the Applicant:.....

Student/Faculty:.....

Gender: (M/F): .....Educational Qualifications:.....

Address for Correspondence :(Including E-mail, Fax, Cell / Landline)  
.....

Name of the Sponsoring Institute/Organization:

Signature of the Applicant with date

**A Two-Day Workshop on  
“INTERNET OF THINGS (IOT)  
Using MSP430 F5529 ULP MCU”**

**29-30 July, 2017**

*In collaboration with*



*Bangalore under TI University Program*

**Coordinators**

**Dr. M. Madhavi Latha**

**Professor in ECE & Coordinator-CVED**

**Dr. T. Satya Savithri**

**Professor & Head**



**Department of**

**Electronics & Communication Engineering**

**JNTUH College of Engineering**

**Hyderabad-500 085, Telangana.**