



**3~Day  
Student Training Program  
on  
Internet of Things  
7~9, March, 2017**



Organized by  
**Knowledge Center, PVPSIT**

**Prasad V. Potluri  
Siddhartha Institute of Technology  
(Autonomous)**

(Permanent Affiliation to JNTUK, Kakinada)  
(Recognized by AICTE, Accredited by NBA and

ISO9001:2008 Certified Institution)  
Kanuru, Vijayawada- 520007

**Sponsored By:  
Siddhartha Academy of General  
And Technical Education**

**About the College:**

Prasad V. Potluri Siddhartha Institute of Technology is one of the 19 institutions sponsored by Siddhartha Academy of General and Technical Education (SAGTE). The institution has been established in the year 1998 with a strong mission of imparting quality technical education through continuous non-compromising interactive teaching. The institution offers eight graduate programs and six post graduate programs including MCA and MBA. PVPSIT is located in the historic city of Vijayawada on the banks of the Krishna River in the coastal area of Andhra Pradesh. The city is a large commercial centre and famous for Goddess Kanaka Durga temple on the Indra kiladri hills. Vijayawada is also a renowned educational centre in the state of Andhra Pradesh. The city is well connected by road, rail and air. The Railway station, Bus Stand and Airport area to a distance of 10 KM each from college.

**Theme:**

The aim of the Student Training Program (STP) on Internet of Things (IOT) covers the awareness and implementation of Internet of Things (IoT) products and services including devices for sensing, processing, and communication in order to develop the skills and experiences that can be employed in designing novel systems. This program covers theory and hands-on sessions on configuration of OS in Raspberry Pi2 kits and hands-on IoT concepts such as sensing, actuation and communication.

**Resource Persons:**

**Dr. M. U. Kharat, Professor**  
**Prof. Ratan D. Deokar,**  
**Prof. Pankaj Bharat Devre,**  
Department of Computer Engineering,  
MET's Institute of Engineering,  
Bhujbal Knowledge City, Nashik

**Program Schedule:**

**Day 1: (IOT and Raspberry Pi2)**

Session 1: Keynote session on IOT  
Session 2: IOT future scope in Real World  
Session 3: Exploring Raspberry Pi2

**Day 2:**

Session 4: OS Installation  
Session 5: Working with Raspberry Pi2  
Session 6: GPIO Programming on Raspberry Pi2  
using Simulators

**Day 3:**

Session 7: Clustering Raspberry Pi2  
Session 8: Setup Python Environment on RPi2  
for multiprocessing communication  
Session 9: Configuration of RPi2 using MPI  
library

**Prerequisites:**

1. Ubuntu OS
2. git tool

**Registration Fee:**

CSI/IETE/ISTE Members - Rs. 500/-  
Non Members -Rs. 800/-

Registration is limited to 80 participants and is based on First Come First Serve basis.

The completed Registration Form should be submitted on or before **25-02-2017**.

**Registration Link:** <https://goo.gl/KR8m8d>

**Program Coordinators:**

1. Mrs. R. Swathi, Asst. Professor, Dept. of EEE.
2. Mr. K. Vijaya Kumar, Asst. Professor, Dept. of CSE
3. Mr. T. Balaji, Asst. Professor, Dept. of ECE.
4. Mrs. T. Maha Lakshmi, Asst. Professor, Dept. of ECE.

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