

Chapter/Student Branch Name:CMR Technical Campus

Region: V

Event Date: 21-09-2019 TO 24-09-2019

Event Title: 4-Day Workshop on “Internet of Things hands-on Workshop”

Speakers: Cinasi Narsimulu ,
Cofounder - **Cloud Chip Technologies Pvt Ltd, Hyderabad**

Gist of the Event:

Students delivered Concepts on “Internet of Things hands-on Workshop” and covered following Topics:

1. Run some python programs on Pi like:
 - I. Read your name and print Hello message with name
 - II. Read two numbers and print their sum, difference, product and division.
 - III. Word and character count of a given string
 - IV. Area of a given shape (rectangle, triangle and circle) reading shape and appropriate values from standard input
 - V. Print a name 'n' times, where name and n are read from standard input, using for and while loops.
 - VI. Handle Divided by Zero Exception.
 - VII. Print current time for 10 times with an interval of 10 seconds.
 - VIII. Read a file line by line and print the word count of each line.
2. Light an LED through Python program
3. Get input from two switches and switch on corresponding LEDs
4. Flash an LED at a given on time and off time cycle, where the two times are taken from a file.
5. Flash an LED based on cron output (acts as an alarm)
6. Switch on a relay at a given time using cron, where the relay's contact terminals are connected to a load.
7. Get the status of a bulb at a remote place (on the LAN) through web.



Guest Delivering the lecture to Students