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K L UNIVERSITY

Department of Electronics and Computer Engineering
A REPORT ON
Subject Based Seminar on "RASPBERRY PI and IOT"
ORGANISED BY
DEPARTMENT OF ELECTRONICS AND COMPUTER ENGINEERING

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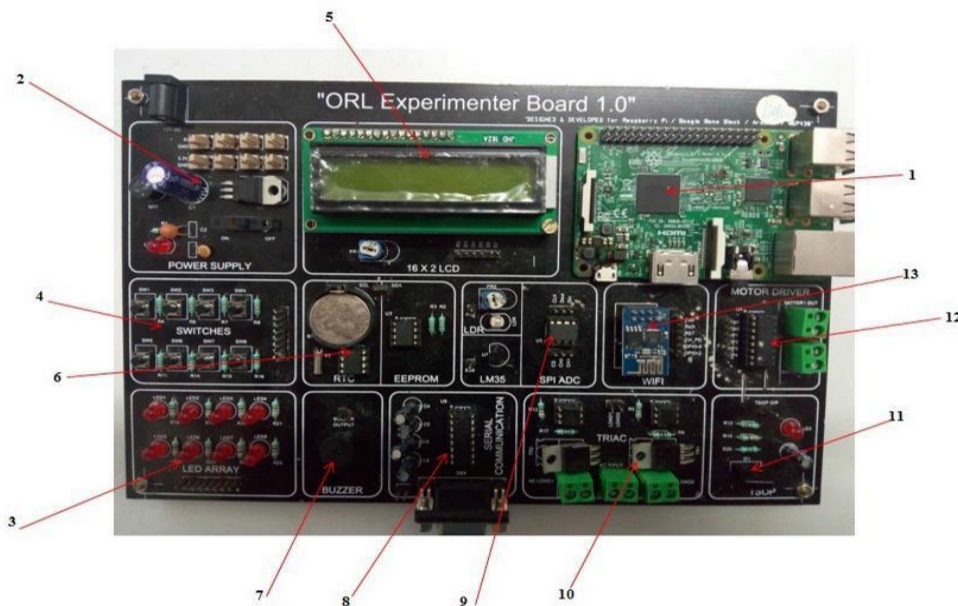**Date:23.07.2016**   **Venue:C323**

The department of Electronics and Computer Engineering has organized a Seminar on "**RASPBERRY PI AND IOT**" for the students and faculty by Mr.Pranay, Application Engineer from Orange Research Lab(ORL) on 23/07/2016 at 1 p.m. He discussed on the Raspberry Pi and IoT technology for various applications.

He explained the importance of IoT in current scenario in different fields. He further narrated how Raspberry Pi 3 Systems developed by ORL support lot of features which enables the faculties, researchers and students to explore different aspects and develop different experiments applications in IoT field.

The following topics were covered:

1. Main units of Raspberry Pi.
2. Role of Raspberry Pi in different application

1. Raspberry Pi
2. DC socket for input power

3. LEDs Array
4. Push-Button switch array
5. 16x2 LCD (Liquid Crystal Display)
6. Read Time Clock (RTC)
7. Buzzer
8. DB9 connector for UART communication
9. Sensors (LM35 and LDR connected to ADC input channel)
10. TRIAC
11. TSOP
12. Motor Driver
13. Wi-Fi.

Mr. Pranay , Application Engineer from Orange Research Laboratory (ORL)addressing the faculties and students.

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