



**Report of**  
**One day workshop On**  
**Introduction to Raspberry Pi and IoT**  
**30<sup>th</sup> June, 2018,**

Organized by Department of Electronics & Communication, CKPCET

**Patron :** Dr. Anish Gandhi, Principal, CKPCET

**Convenor:** Dr. Ninad Bhatt, HOD, ECED, CKPCET

**Coordinators:** Dr. Mita C. Paunwala, Associate Professor, ECED, CKPCET

Dr. Amisha J. Shah, Assistant Professor, ECED, CKPCET

**Expert Faculties:** Bassar M. Patel

**Brief details:** The workshop was scheduled on 30<sup>th</sup> June, 2018 at the Seminar Hall, D2 building, CKPCET. Total 15 enthusiastic participants (including faculties and UG students) had enrolled for the workshop from different colleges around the Gujarat. Workshop consists of two technical sessions followed by hands on session on fundamental modules and different applications of Raspberry Pi.

Ground truth information about IoT is delivered to the participants in first session.. The session provided valuable and basic information on IoT architecture, protocols, IoT in technical perspective, applications of IoT and future of IoT.

The second session gave fundamentals and installation steps for Raspberry Pi. The main focus of the session was on how to use easy carrying CPU like Raspberry Pi in real time applications.

The interfacing of Arduino board and Raspberry Pi model with different peripherals were demonstrated in hands on session. Various projects based on sensors, controlling and image processing made the hands on session more interactive.

At the end of workshop, participants shared their view, and based on that, we can conclude that they really enjoyed all technical sessions of “Workshop on Introduction to Raspberry Pi and IoT”. The workshop moments were captured by Prof. Vijayendra Desai.





