

22.04.2021

**SRI VENKATESWARA COLLEGE OF ENGINEERING (SVCE)
PENNALUR, SRIPERUMBUDUR-602117**



Report on One day workshop on "Basics of IOT Application "

Date: 22.04.2021

Time: 10.00 AM

Objectives (Maximum 50 words):

- Provide introduction to Internet of Things (IoT)
- Exposure to various sub-fields and technology stacks of IoT
- Enable people to convert their IoT product idea into a working prototype
- Provide thorough working knowledge of the Raspberry Pi Platform
- Familiarize coding structures in Python Programming

About the programme (Min 500 words):

Topics Covered:

- Introduction to IoT, IoT Anatomy
- Introduction to Raspberry Pi
- Basics of C and Python Programming
- Sensor Interfacing
- Configuring Raspberry Pi for Web services and Wireless Application
- Controlling LED, DC Motor, light and fan from Webpage

On 22 April 2021, the 9.30 am event started with a prayer song followed by a welcome address by Dr V. Sumathi Professor/INT

The event had four sessions

1st Session: Basics of IoT and its application in day-to-day life by Dr N. Kumaratharan Professor/ ECE

2nd Session: Latest Technology in IoT

3rd and 4th Session: Live demo on applications of IoT.

No.of Staffs Participating in the Event: 65 (Technical Staffs)

Benefits (Maximum 50 words):

- Learn the basics of Internet of Things and its applications.
- What “the Internet of Things” means and how it relates to Cloud computing concepts.
- How open platforms allow you to store your sensor data in the Cloud.
- The basic usage of the Arduino environment for creating your own embedded projects at low cost.
- How to connect your Arduino with your Android phone.
- How to send data to the Internet and talk to the Cloud.
- The participants will be able to develop IoT based applications using Raspberry Pi.

Prepared by Faculty Name, Designation & Dept.

Ms R.Saktheeswari AP/INT

Mr V.Rajaram AP/INT

Mr K.Suresh AP/INT