

## Department of Electronics & Telecommunication Engineering

### Workshop on “IoT using Raspberry Pi”

Sr. No.	Event Details:	
1.	<b>Name of the Event:</b>	IoT using Raspberry Pi
2.	<b>Date, Place &amp; Time:</b>	22 <sup>nd</sup> Sep.2022, E&TC Dept Laboratory
3.	<b>Level of the Event:</b>	E & Tc departments of RMD Sinhgad School of Engineering
4.	<b>Name of Guest and designation</b>	Mr. Shridhar Dudam Chief Technology Officer, Smart Logic Technology, Pune.
5.	<b>Target Audience:</b>	T. E. (E & Tc) Students of RMDSSOE
6.	<b>Participants:</b>	T E. (E & Tc) Students of RMDSSOE
7.	<b>Purpose:</b>	To enhance the knowledge of IoT using Raspberry Pi.
8.	<b>Program Co-Ordinator:</b>	Mrs. Shilpa R. Dhanorkar

### About Activity:



The primary aim of this workshop, organized by RMDSSOE (E&TC Dept) on 22<sup>nd</sup> sep 2022, was to bring knowledge across all the students through theory sessions and Hands-on-Sessions on the latest Raspberry Pi 3, which runs on Linux and interface hardware using python. This workshop is all about IOT, its importance, Applications, types and programming & project execution, Technologies and future opportunities in placements for students

The session started with introduction of raspberry pi, explaining how it is different from Arduino and its applications. Raspberry Pi kits along with required components were provided to the students. First they started with blinking of LED lights using the microcontroller. The speaker explained about the

program, then about all the connections to Raspberry pi for the students to work on it. They also worked with IR sensors and relays in the same manner.

Mr. Shridhar Dudam Chief Technology Officer of Smart Logic Technology, Pune who usually delivers lectures regarding Arduino, Raspberry Pi, to students as well as the professionals from the industry. The session was very interactive, students gained knowledge in IoT using Raspberry Pi and sure it will be useful for their projects.

**Photo:**

<b>“Workshop on: IoT using Raspberry Pi”</b>	
	
<p>Introduction of IoT using raspberry Pi was given by Mr. Shridhar Dudam</p>	<p>Hands-on Raspberry Pi was demonstrated by Mr. Shridhar Dudam</p>



Raspberry Pi IDE was explained by  
Mr. Shridhar Dudam



Mr. Shridhar Dudan sir was felicitated by our  
HoD Mrs. Varsha Kshirsagar

## Program Outcome:

Students actively participated in the discussions and Hands-on and were very enthusiastic to attend the sessions. In this workshop uses of IOT, devices, platforms and services available along with real world application of electronics were demonstrated.