

Department: IT | Date: 03rd -08th Jan, 2022

One Week Workshop on "Internet of Things (IoT)"

One Week Workshop on "Internet of Things (IoT)" in Collaboration with Andhra Pradesh State Skill Development Corporation (APSSDC) under IoT club is organized from January 03-08, 2022. A total of 70 participants from students and faculty of various departments have participated in the workshop. Dr. K. K. Baseer, Associate Professor and Ms. E. Sandhya, Assistant Professor organized this workshop under the guidance of Dr. K. Ramani, Professor and Head, Department of Information Technology.

Resource Persons:

1. Mr. B. Nagaraju, Technical Skill Trainers, APSSDC
2. Mr. C. Srihari, Technical Skill Trainers, APSSDC

Targeted Group: Students and Faculty

Day-1: 03rd January, 2022

Mr. B. Nagaraju delivered a lecture on Introduction to IoT and how to use Tinkercad for designing IoT circuits. Mr. C. Srihari demonstrated hands-on session on LED ON and OFF basic programming, LED controlling with character, LED 7 segment display interfacing with Arduino, servo motor interfacing with Arduino and Door Locking system with servo motor.

Day-2: 04th January, 2022

Mr. B. Nagaraju demonstrated hands-on session on temperature sensor, flame sensor, gas sensor, ultrasonic sensor, LCD interfacing with Arduino.

Day-3: 05th January, 2022

Mr. C. Srihari demonstrated hands-on session on implementation of humidity and temperature monitoring using Arduino and uploading data into cloud using MQTT. In addition, an introduction to NodeMCU is explained.

Day-4: 06th January, 2022

Mr. C. Srihari demonstrated IoT application to control home appliances using smart phone and also IoT ECG system to record heart electrical activity

Day-5: 07th January, 2022

Mr. B. Nagaraju delivered lecture on introduction of Raspberry Pi and demonstrated IoT application to control and monitor street light using Arduino/Raspberry Pi.

Day-6: 08th January, 2022

Mr. B. Nagaraju demonstrated motion detector with NodeMCU and Fire notification application using BLYNK.

The program ended with a vote of thanks proposed by Dr. K. K. Baseer, Associate Professor of IT, SVEC.

PHOTO GALLERY



Dr. K. Ramani, HoD and Professor of IT addressing the participants in inaugural session



Mr. B. Nagaraju, Technical Skill Trainers, APSSDC delivering lecture.



Faculty and students performing hands-on session



HoD-IT, Resource Persons, Program Coordinators and Participants group photo.

HoD, IT