

GUJCOST Sponsored STTP on “Designing Embedded Systems Enhanced with IoT using Micropython”

Computer Engineering Department, had organized one week STTP on “Designing Embedded Systems Enhanced with IoT using Micropython” sponsored by Gujarat Council on Science & Technology, Department of Science and Technology, Govt. of Gujarat, during 8-12 January, 2019. The objectives of this STTP was to provide the knowledge on IoT from an overview to in depth hands-on for designing IoT based application/small project as well as to make participants familiar and proficient with the hardware and software used to make IoT based application.

Inauguration of this STTP were commence with Prayer and Light Lamping. In this inauguration, all the HoDs, faculties were present along with participants.

On Day 1 and Day 2, expert **Prof. Jignesh Patoliya**, an assistant professor in the department of EC engineering at the Charotar University of Science and Technology, Changa, gave introduction about IoT, its architecture, application and which device to use for creating IoT enabled embedded system. He also gave brief about embedded system. In addition, he takes hands on session on Python Programming with hands on session with ide such as arduino and uPyCraft. On Day 3, **Mr. Miral Desai**, an assistant professor in the department of EC engineering at the Charotar University of Science and Technology, Changa, delivered session on introduction to Raspberry Pi. He gave information about when the Raspberry Pi would be suitable to use for IoT Applications. During hands-on session participants performed various programs interfacing Raspberry Pi with various hardware such as leds and switches. On Day 4 and Day 5, expert **Mr. Ashutosh Bhatt**, Embedded Software Engineer at eInfochips, Ahmedabad, delivered session on visual programming, UI development and IoT with NodeRED. In addition, he delivered session on Python OOPs concepts and MQTT protocol in Python with hands on for using this software how can we activate different graphical interface elements and how we can activate them using code.

The Valedictory function was organized to felicitate students on successful completion of their twenty-five hours training program on “Designing Embedded Systems Enhanced with IoT using Micropython” and they were also awarded by participation certificate.

Patron: Dr. Neeraj D. Sharma (Principal)

Convener: Prof. Archana M. Nayak (Head, Comp. Engg.)

Coordinator: Prof. Bhumika H. Patel, Prof. Hetal M. Patel, Prof. Vibhuti P. Patel, Prof. Pankti S. Naik

Organizing Committee: Prof. Kaushik Patel, Prof. Kaushal Kevadia, Prof. Brijesh Patel, Prof. Kushal Patel, Prof. Mihir Mishra, Prof. Tejas Patel, Mr. Himanshu Patel, Mr. Nilesh Patel, Mrs. Amruta Naik











