

Department: CSE | Date: 01st to 13th, June 2020

Two-Week Online Faculty Development Programme

on

“Internet of Things”

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APSSDC, Govt. of Andhra Pradesh

01st to 13th June, 2020

Two-Week Faculty Development Programme on **“Internet of Things”** was organized by department of Computer Science and Engineering of Sree Vidyanikethan Engineering College for the benefit of faculty members of CSE, IT, CSSE, ECE and EEE from 01st to 13th June 2020 in collaboration with APSSDC.

The objective of the FDP is to

- 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
- Bring-up entrepreneurs and innovators by supporting them with investment and mentorship

Faculty members have learnt

- Basics of sensors, actuators, and transducers, microcontrollers and microprocessors.
- Arduino, Scratch programming, S4A tool, and Arduino IDE
- Thinkercad and some practical examples, Working with analog, digital inputs & outputs
- Interfacing Arduino with Embedded sensors and Actuators
- Arduino & LCD Based Projects
- Creating the app(app designing using MIT) and controlling your hardware with your app.
- Introduction to Cloud, some IoT Cloud Platforms publishing sensor data to a cloud
- Email notifications, app alerts using Blynk cloud
- Industry IoT (IIoT) and use case of IIoT

Program was organized with batch of 90 faculty members and it was coordinated by **Dr. M. Sakthivel**, Assoc. Professor, and **Mr. J. Udaykumar**, Asst. Professor, Department of Computer Science and Engineering.

The resource persons are experienced trainers from APSSDC, Govt. of Andhra Pradesh. They interactively demonstrated, taught and inculcated to the faculty the working with the application. The feedback from participants has been taken to understand and

analyze the resource persons' domain knowledge, content delivery, and interaction during the workshop, can enable the department to organize such workshops in future. Overall, the event was successful.

Outcomes:

- Gained knowledge on Current scenario/job opportunities of IoT industries.
- Create own Android App using MIT App Inventor and controlling hardware with App.
- send data to the Internet and talk to the Cloud.
- update sensor readings on Social Networking Sites.

HOD, CSE