G.Narayanamma of Technology and Science(for Women)
Shaikpet,Hyderabad

Name of the Cell: FDP
Academic year:2019-2020
Name of the program:FDP on "Embedded systems on IoT"
Dates:25.11.19 to 30.11.19

Report of
One Week Workshop on "Embedded Systems on IOT"
(25.11.2019-30.11.2019)
Venue: E-class room, GNITS

The Embedded Systems on IOT is an AICTE-STTP Conducted with the objectives of providing an extended knowledge on IoT applications, to explore latest research works going on in the field of embedded systems and IoT Technology and hands on various Smart device applications through IoT platform. Eminent resource persons from IIT'S and various companies presented lectures on IoT Platform, Applications and Security.

DAY1 Dr.P.Sai Krishna from IIT-T gave a key note address on the topic fog computing and its applications.He also explained about introduction to IoT and ARM based IOT devices.

DAY2 Dr.Sachin Chaudhari from IITH presented a session on Communication Technologies for IoT short range and Long range Communication technologies,System on chips&Wireless Radios.

DAY3 P.V.S.Maruthi Rao, Founder Director, Vidcentum R&D Pvt. Ltd presented a session on IoT Edge systems which contained classification of IoT Applications, What are the customer's expectations on IoT edge,How Assets acts as Things.

DAY4 Amarender K founder of Smart Bridge delivered session on IoT Platform and its Architecture and how weather information can be shared from device to cloud and desired location by creating an app IBM Watson platform.

DAY5 G.Sudheer,Tech Manager at Voltary Solutions Pvt.Ltd delivered presentation on Wireless Personal Area Networks(WPAN)architecture and its applications.He also explained about Bluetooth Mfodule,BLE,WiFi and how they differ with technology. Next half session handled by N.Venkatesh, vice president from redpine signals taken a session on Wireless sensor networks and its significance in IoT.

DAY6 Veerababu P, Quality Security Engineer, Creston S/w delivered a lecture on Massive Botnet attack, Pacemaker and IoT in security.56 Participants are from various institutions attended and benefited using this STTP. Overall feedback received is Excellent from participants.

Outcomes of the program are

1.expected to promote awareness on basic IOT Architecture, Communication Technologies for IOT, SOC's, Wireless Sensor Networks, and Industrial IOT.

2. Wider understanding on low power wireless personal area networks, Bluetooth low energy networks, Embedded Systems for WSN nodes, applying energy harvesting principle are considered as impact assessment from the training.

3. The participant can develop a smart embedded system on his own, with the knowledge gained from the program.

The FDP was concluded with an exam assessment, feedback session and valedictory function.

31/12/19

Dr.B.Venkateshulu
PROF&HOD-ECE

K. Ragini

Dr.K.Ragini
Coordinator,STTP
Prof,Dept of ECE
GNITS