



Koneru Lakshmaiah Education Foundation

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Department of Electronics and Computer Engineering

Report on One day workshop on “IoT Application using AWS Cloud”

Workshop was conducted by : ECM Department, Industry Connect Wing

The Program Coordinator: A.V.Prabu, Head Coordinator- Industry Connect Wing, Associate Professor, Department of ECM.

The Program Organizer: K.Krishnaveni and N.Srinivasulu, Assistant Professor, Department of ECM

Time: 09.00 a.m. to 05.15 p.m. Venue: R004, R & D Block Date: 10.03.2020

The Department of Electronics And Computer Science Engineering has organized a One Day Subject based workshop on “**IoT Application using AWS Cloud**”. A subject based workshop was conducted for K L E F Engineering department Faculties and K L E F Students. The main aim of the workshop was to enhance the technical expertise in IoT Domains for K L E F Engineering department Faculties.

The resource person Mr.M.Praveen Kumar, Senior Engineer in Continental automotive components Pvt Ltd, Bangalore and Sadu Sai Saandeeep, Founder & CTO, Robogyaan Research Center, A.P delivered that, importance of IoT and AWS Cloud.

AWS IoT Core is a managed cloud service that let's connected devices easily and securely interacts with cloud applications and other devices. **AWS IoT Core** can support billions of devices and trillions of messages, and can process

and route those messages to AWS endpoints and to other devices reliably and securely.

The session covered on below mentioned topics :

Sessions 1: "Introduction to Embedded Systems & IoT "

Sessions 2: "Introduction to nodeMCU Connecting to Blynk Application using nodeMCU Controlling loads(led) using Blynk Sending DHT 11 sensor data to Blynk"

Sessions 3: "Connecting to AWS using nodeMCU Controlling loads(led) using AWS Sending DHT 11 sensor, MQ6, MQ135, MQ7, Ultrasonic Sensor & Soil Moisture Sensor data to Amazon cloud"

Sessions 4: "Introduction to Zigbee technology Transfer of data from Arduino to nodeMCU using Zigbee and uploading data in Amazon cloud, Star Topology Tree Topology, Mesh Topology"



Figure 1: Workshop Details



Figure 2: Dr MSG Prasad (HoD-ECM) inaugurated the session a by introducing resource persons to the audience.



Figure 3: Workshop in Progress - IoT Application using AWS Cloud” .

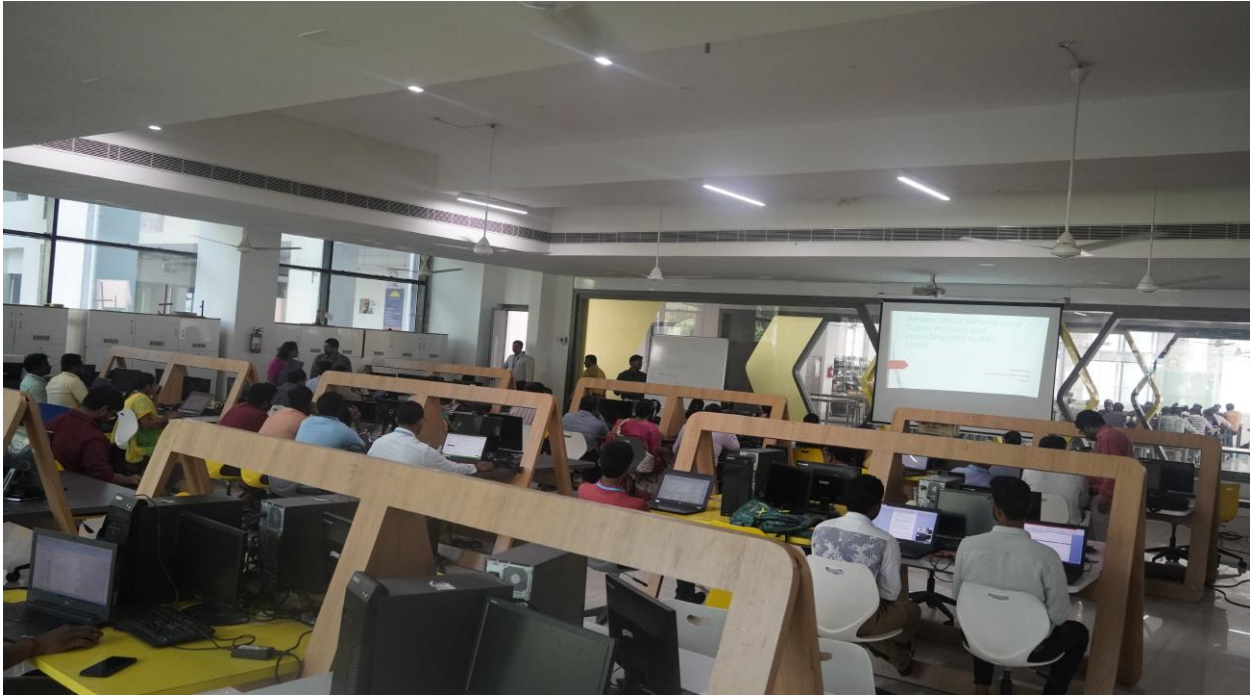


Figure 4: Faculty and Students are doing Hands-on IoT- AWS Cloud



Figure 5: Faculty and Students are doing Hands-on IoT- AWS Cloud



Figure 6: Interaction Section of Participants and Resource Person



Figure 7: Resource Persons Interaction with Participants



Figure 8: Vote of Thanks by Dr MSG Prasad (HoD-ECM)



Figure 9: Momentos to the Reource Persons



Figure 10: Issuing Certificate to Participants

Institutions Benefited:

The aim of FDP attaining sustainable development and achieving higher growth rates which could be enabled through creation, transmission and dissemination of knowledge. At all levels to the participants by the setting up of new instructions and the improvement of the existing ones has been achieved.

Faculty In charge

HoD-ECM