Seshadri Rao
GUDLAVALLERU ENGINEERING COLLEGE
SESHADRI RAO KNOWLEDGE VILLAGE::GUDLAVALLERU
DEPT. OF ELECTRONICS AND COMMUNICATION ENGINEERING

Dt: 9-9-2021.

CIRCULAR

All the **III B.Tech II sem. ECE** students are informed to attend student development programme on **"Value added course on Design of Internet of Things"** organized by Department of ECE.

Date(s): 14-21, September, 2021.
Time: 9:30 AM -4:30 PM(IST).

Note:

❖ Faculty advisor (ISF) will schedule the meeting in Microsoft **Teams** and the link will be shared to the participants.

❖ 100% Attendance is mandatory.

❖ Certificate will be provided.

Resource Person Details:
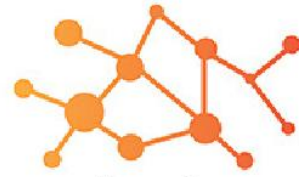
Er.P.Madhu,

Director solution Architect.

Mad blocks Technologies PVT. Ltd.

N. Sambamurthy.
(N.Sambamurthy)
Faculty advisor(ISF)

(Dr.Y.RamaKrishna)
Head of the Department

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Technology:Innovation:Business

14th August 2021 [Session By Madhu Parvathaneni]

Introduction to IoT, Basic Architecture of IoT, Different layers of IoT, Applications of IoT, Demos and Platforms Intro.

Basics of Arduino, Arduino Platform Overview, Arduino Syntaxes, Basic Examples of Arduino, Interfacing Basic Electronics with Arduino.

16th August 2021 [Session By Archana Rao]

Sensors Interfacing, Motors, Electronics fundamentals, LCD, Buzzer, and basic applications of Arduino with live coding sessions.
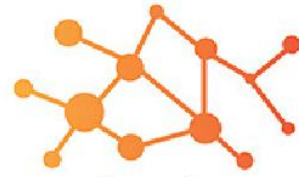
MQTT Protocol, Pub-Sub Architecture, MQTT components, basic examples of MQTT in IoT and live coding sessions on MQTT.

17th August 2021 [Session By Madhu Parvathaneni]

Data Collection from remote hardware devices, and data pre-processing and controlling of devices using MQTT protocol with live coding sessions.

Thingspeak IoT Cloud, Architecture, Channel Creation, Uploading and Downloading of Sensory Data to Cloud, Thingview - Mobile App to see the sensory cloud data with live coding sessions.

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18th August 2021 [Session By Archana Rao]

Controlling of devices through Thingspeak IoT Cloud, and Time Control, Reacts on Thingspeak IoT Cloud with live coding sessions.

AWS Elastic Compute Cloud, Creating an Instance, Deploying our own private broker on AWS, MQTT Broker Mosquitto, Mongodb Server on AWS with live coding sessions.

20th August 2021 [Session By Madhu Parvathaneni]

Storing Data on Mongodb, Creating a Dataset, Machine Learning, ML Life Cycle, Supervised ML, KNN Classification on Sensory Data.

Datasets from Google, Data Wrangling process, and live case study implementation of Crop Prediction System using Python and Flask with live coding sessions.

21st August 2021 [Session By Surya Kumar]

Deep Learning, Mobilenet, Teachable Machine, Creating a dataset from webcam, training the MobileNet using TM, Evaluating the NN, Scripting the application Sign Lanaguage Translator with live coding sessions.

Certification Exam from IBM Cognitive Class and Career opportunities, Tips about the companies, and live internship opportunities.

Sincerely,
Madhu Parvathaneni
Director & Solutions Architect
madBlocks Technologies Pvt Ltd