SESHADRI RAO

GUDLAVALLERU ENGINEERING COLLEGE

Seshadri Rao Knowledge Village :: Gudlavalleru

Department of Electronics and Communication Engineering

Date: 09-09-2021

CIRCULAR

All the III B.Tech II Sem. ECE students are informed to attend student development program on **"Design of Internet of Things"**, organized by department of ECE in association with Mad Block Technologies Pvt. Ltd., Hyderabad.

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 Block Technologies Pvt. Ltd.

(N. Sambamurthy)

Faculty Advisor (ISF)

(Dr. Y. Ramakrishna)

Head of the Department

SESHADRI RAO GUDLAVALLERU ENGINEERING COLLEGE

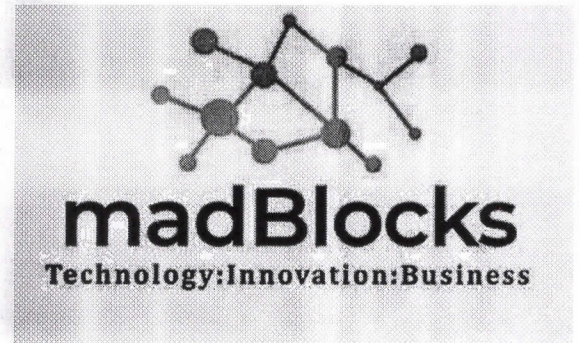(An Autonomous Institute with Permanent Affiliation to JNTUK, Kakinada)

Seshadri Rao Knowledge Village, Gudlavalleru – 521356, Krishna Dist (A.P.)

Department of Electronics and Communication Engineering

RESOURCE PERSON DETAILS

Name	:	Er. Parvathaneni Madhu
Designation	:	Director **–** Solution Architect
Address	:	Mad Blocks Technologies. Pvt. Ltd. Hyderabad, Telangana, India - 500090
Email – ID	:	-
Mobile Number	:	7893015625
Topics Delivered	:	Basic IoT Architecture, Interfacing with Arduino, Data collection from remote hardware, Thingspeak IoT cloud
Date	:	14-09-2021 to 21-09-2021 (One Week)
Venue	:	Online Mode (Microsoft Teams)
Target Audience	:	III B. Tech ECE Students

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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.
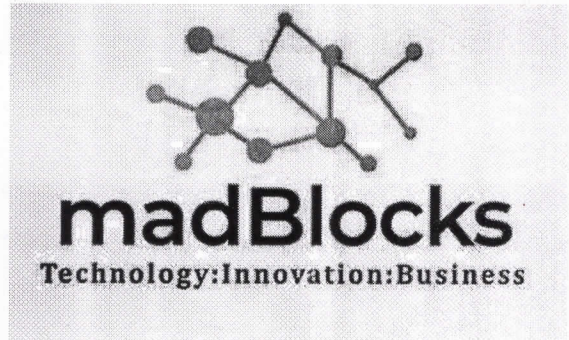
16th August 2021 [Session By Archana Rao]

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.

P. Mal

Sincerely
Madhu Parvathaneni
Director & Solutions Architect
madBlocks Technologies Pvt Ltd

Meeting Summary

Total Number of Pa 162

Meeting Title VALUE ADDED COURSE ON DESIGN OF INTERNET OF THINGS (20-9-21 AND 21-09-021)

Meeting Start Time 9/20/2021, 1:07:07 PM

Meeting End Time 9/20/2021, 4:29:02 PM

Meeting Id 41901701-c926-407d-a5d7-35c686617385

19481A0401	9/20/2021	9/20/2021	2h 42m	19481A040	Attendee
19481A0402	9/20/2021	9/20/2021	2h 35m	19481A040	Attendee
19481A0406	9/20/2021	9/20/2021	1h 55m	19481A040	Attendee
19481A0408	9/20/2021	9/20/2021	2h 22m	19481A040	Attendee
19481A0410	9/20/2021	9/20/2021	13s	19481A041	Attendee
19481A0410	9/20/2021	9/20/2021	1h 1m	19481A041	Attendee
19481A0411	9/20/2021	9/20/2021	3h 14m	19481A041	Attendee
19481A0412	9/20/2021	9/20/2021	2h 38m	19481A041	Attendee
19481A0413	9/20/2021	9/20/2021	16s	19481A041	Attendee
19481A0413	9/20/2021	9/20/2021	3h	19481A041	Attendee
19481A0414	9/20/2021	9/20/2021	1h 2m	19481A041	Attendee
19481A0414	9/20/2021	9/20/2021	17m 24s	19481A041	Attendee
19481A0414	9/20/2021	9/20/2021	1h	19481A041	Attendee
19481A0415	9/20/2021	9/20/2021	2h 47m	19481A041	Attendee
19481A0417	9/20/2021	9/20/2021	2h 41m	19481A041	Attendee
19481A0418	9/20/2021	9/20/2021	2h 18m	19481A041	Attendee
19481A0419	9/20/2021	9/20/2021	1h 54m	19481A041	Attendee
19481A0421	9/20/2021	9/20/2021	1m 9s	19481A042	Attendee
19481A0421	9/20/2021	9/20/2021	2h 34m	19481A042	Attendee
19481A0422	9/20/2021	9/20/2021	2h 44m	19481A042	Attendee
19481A0423	9/20/2021	9/20/2021	2h 58m	19481A042	Attendee
19481A0424	9/20/2021	9/20/2021	2h 35m	19481A042	Attendee
19481A0428	9/20/2021	9/20/2021	2m 6s	19481A042	Attendee
19481A0428	9/20/2021	9/20/2021	1h 51m	19481A042	Attendee
19481A0429	9/20/2021	9/20/2021	1m 6s	19481A042	Attendee
19481A0429	9/20/2021	9/20/2021	2h 10m	19481A042	Attendee
19481A0431	9/20/2021	9/20/2021	1h 32m	19481A043	Attendee
19481A0431	9/20/2021	9/20/2021	1h 19m	19481A043	Attendee
19481A0433	9/20/2021	9/20/2021	2h 8m	19481A043	Attendee
19481A0435	9/20/2021	9/20/2021	2h 3m	19481A043	Attendee
19481A0438	9/20/2021	9/20/2021	2h 38m	19481A043	Attendee
19481A0439	9/20/2021	9/20/2021	1h 2m	19481A043	Attendee
19481A0440	9/20/2021	9/20/2021	41m 56s	19481A044	Attendee
19481A0441	9/20/2021	9/20/2021	2h 39m	19481A044	Attendee
19481A0443	9/20/2021	9/20/2021	3h 3m	19481A044	Attendee
19481A0444	9/20/2021	9/20/2021	1h 56m	19481A044	Attendee
19481A0448	9/20/2021	9/20/2021	2h 32m	19481A044	Attendee
19481A0449	9/20/2021	9/20/2021	2h 42m	19481A044	Attendee
19481A0450	9/20/2021	9/20/2021	16s	19481A045	Attendee
19481A0450	9/20/2021	9/20/2021	10s	19481A045	Attendee

19481A0450	9/20/2021	9/20/2021	20s	19481A045	Attendee
19481A0450	9/20/2021	9/20/2021	3h 4m	19481A045	Attendee
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19481A0453	9/20/2021	9/20/2021	2h 54m	19481A045	Attendee
19481A0454	9/20/2021	9/20/2021	2h 40m	19481A045	Attendee
19481A0457	9/20/2021	9/20/2021	2h 46m	19481A045	Attendee
19481A0458	9/20/2021	9/20/2021	1h 54m	19481A045	Attendee
19481A0458	9/20/2021	9/20/2021	52m 21s	19481A045	Attendee
19481A0459	9/20/2021	9/20/2021	2h 22m	19481A045	Attendee
19481A0461	9/20/2021	9/20/2021	2h 17m	19481A046	Attendee
19481A0463	9/20/2021	9/20/2021	2h 1m	19481A046	Attendee
19481A0464	9/20/2021	9/20/2021	15m 45s	19481A046	Attendee
19481A0464	9/20/2021	9/20/2021	11s	19481A046	Attendee
19481A0464	9/20/2021	9/20/2021	40s	19481A046	Attendee
19481A0466	9/20/2021	9/20/2021	2h 38m	19481A046	Attendee
19481A0467	9/20/2021	9/20/2021	2h 27m	19481A046	Attendee
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19481A0469	9/20/2021	9/20/2021	2h 22m	19481A046	Attendee
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19481A0472	9/20/2021	9/20/2021	1h 20m	19481A047	Attendee
19481A0478	9/20/2021	9/20/2021	1h 21m	19481A047	Attendee
19481A0479	9/20/2021	9/20/2021	3h 11m	19481A047	Attendee
19481A0482	9/20/2021	9/20/2021	2h 51m	19481A048	Attendee
19481A0483	9/20/2021	9/20/2021	1h 52m	19481A048	Attendee
19481A0484	9/20/2021	9/20/2021	2h 44m	19481A048	Attendee
19481A0486	9/20/2021	9/20/2021	2h 37m	19481A048	Attendee
19481A0487	9/20/2021	9/20/2021	2h 52m	19481A048	Attendee
19481A0488	9/20/2021	9/20/2021	2h 41m	19481A048	Attendee
19481A0489	9/20/2021	9/20/2021	2h 56m	19481A048	Attendee
19481A0491	9/20/2021	9/20/2021	2h 58m	19481A049	Attendee
19481A0492	9/20/2021	9/20/2021	2h 14m	19481A049	Attendee
19481A0493	9/20/2021	9/20/2021	2h 51m	19481A049	Attendee
19481A0494	9/20/2021	9/20/2021	2h 38m	19481A049	Attendee
19481A0497	9/20/2021	9/20/2021	2h 3m	19481A049	Attendee
19481A0498	9/20/2021	9/20/2021	2h 48m	19481A049	Attendee
19481A0499	9/20/2021	9/20/2021	1h 40m	19481A049	Attendee
19481A04A2	9/20/2021	9/20/2021	2h 52m	19481A04A	Attendee
19481A04A8	9/20/2021	9/20/2021	33m 28s	19481A04A	Attendee
19481A04A8	9/20/2021	9/20/2021	21m 45s	19481A04A	Attendee
19481A04A8	9/20/2021	9/20/2021	1h 29m	19481A04A	Attendee
19481A04B0	9/20/2021	9/20/2021	2h 35m	19481A04B	Attendee
19481A04B2	9/20/2021	9/20/2021	35m 43s	19481A04B	Attendee
19481A04B6	9/20/2021	9/20/2021	11s	19481A04B	Attendee
19481A04B6	9/20/2021	9/20/2021	14s	19481A04B	Attendee
19481A04B6	9/20/2021	9/20/2021	2h 56m	19481A04B	Attendee
19481A04B9	9/20/2021	9/20/2021	5m 17s	19481A04B	Attendee

19481A04B9	9/20/2021	9/20/2021	2h	19481A04[	Attendee
19481A04C1	9/20/2021	9/20/2021	2h 51m	19481A04(	Attendee
19481A04C3	9/20/2021	9/20/2021	2h 44m	19481A04(	Attendee
19481A04C7	9/20/2021	9/20/2021	2h 44m	19481A04(	Attendee
19481A04D1	9/20/2021	9/20/2021	19m 14s	19481A04[	Attendee
19481A04D1	9/20/2021	9/20/2021	1h 4m	19481A04[	Attendee
19481A04D1	9/20/2021	9/20/2021	1h 18m	19481A04[	Attendee
19481A04D2	9/20/2021	9/20/2021	2h 51m	19481A04[	Attendee
19481A04D4	9/20/2021	9/20/2021	1h 32m	19481A04[	Attendee
19481A04D5	9/20/2021	9/20/2021	2h 59m	19481A04[	Attendee
19481A04D7	9/20/2021	9/20/2021	13s	19481A04[	Attendee
19481A04D7	9/20/2021	9/20/2021	2h 47m	19481A04[	Attendee
19481A04D8	9/20/2021	9/20/2021	2h 16m	19481A04[	Attendee
19481A04D9	9/20/2021	9/20/2021	1h 59m	19481A04[	Attendee
19481A04E0	9/20/2021	9/20/2021	2h 52m	19481A04[	Attendee
19481A04E1	9/20/2021	9/20/2021	2h 55m	19481A04[	Attendee
19481A04E3	9/20/2021	9/20/2021	2h 55m	19481A04[	Attendee
19481A04E4	9/20/2021	9/20/2021	2h 54m	19481A04[	Attendee
19481A04E5	9/20/2021	9/20/2021	46m 15s	19481A04[	Attendee
19481A04E5	9/20/2021	9/20/2021	1h 55m	19481A04[	Attendee
19481A04E6	9/20/2021	9/20/2021	12m 18s	19481A04[	Attendee
19481A04E6	9/20/2021	9/20/2021	25m 8s	19481A04[	Attendee
19481A04E6	9/20/2021	9/20/2021	2h 25m	19481A04[	Attendee
19481A04E7	9/20/2021	9/20/2021	2h 39m	19481A04[	Attendee
19481A04E8	9/20/2021	9/20/2021	2h 15m	19481A04[	Attendee
19481A04E9	9/20/2021	9/20/2021	2h 1m	19481A04[	Attendee
19481A04E9	9/20/2021	9/20/2021	26m 34s	19481A04[	Attendee
19481A04F1	9/20/2021	9/20/2021	6m 10s	19481A04F	Attendee
19481A04F1	9/20/2021	9/20/2021	1h 44m	19481A04F	Attendee
19481A04F1	9/20/2021	9/20/2021	59m 3s	19481A04F	Attendee
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19481A04F3	9/20/2021	9/20/2021	55m 9s	19481A04F	Attendee
19481A04F4	9/20/2021	9/20/2021	2h 51m	19481A04F	Attendee
19481A04F5	9/20/2021	9/20/2021	1h 30m	19481A04F	Attendee
19481A04F6	9/20/2021	9/20/2021	2h 27m	19481A04F	Attendee
19481A04F7	9/20/2021	9/20/2021	14s	19481A04F	Attendee
19481A04F7	9/20/2021	9/20/2021	2h 13m	19481A04F	Attendee
19481A04F8	9/20/2021	9/20/2021	2h 58m	19481A04F	Attendee
19481A04G2	9/20/2021	9/20/2021	2h 45m	19481A04(	Attendee
19481A04G4	9/20/2021	9/20/2021	2h 35m	19481A04(	Attendee
19481A04G5	9/20/2021	9/20/2021	2h 33m	19481A04(	Attendee
19481A04G7	9/20/2021	9/20/2021	2h 47m	19481A04(	Attendee
19481A04G8	9/20/2021	9/20/2021	2h 56m	19481A04(	Attendee
19481A04H0	9/20/2021	9/20/2021	1h 38m	19481A04F	Attendee
19481A04H0	9/20/2021	9/20/2021	57m 33s	19481A04F	Attendee
19481A04H1	9/20/2021	9/20/2021	1h 40m	19481A04F	Attendee
19481A04H2	9/20/2021	9/20/2021	2h 47m	19481A04F	Attendee

19481A04H4	9/20/2021	9/20/2021	2h 51m	19481A04H	Attendee
19481A04H5	9/20/2021	9/20/2021	1h 58m	19481A04H	Attendee
19481A04H8	9/20/2021	9/20/2021	2h 48m	19481A04H	Attendee
19481A04I1	9/20/2021	9/20/2021	2h 8m	19481A04I	Attendee
19481A04I2	9/20/2021	9/20/2021	2h 19m	19481A04I	Attendee
19481A04I3	9/20/2021	9/20/2021	20m 47s	19481A04I	Attendee
19481A04I3	9/20/2021	9/20/2021	1h 17m	19481A04I	Attendee
19481A04I4	9/20/2021	9/20/2021	2h 35m	19481A04I	Attendee
19481A04I5	9/20/2021	9/20/2021	1h 28m	19481A04I	Attendee
19481A04I7	9/20/2021	9/20/2021	2h 8m	19481A04I	Attendee
19481A04J2	9/20/2021	9/20/2021	1h 31m	19481A04J	Attendee
19481A04J6	9/20/2021	9/20/2021	40m 10s	19481A04J	Attendee
19481A04K2	9/20/2021	9/20/2021	1h 19m	19481A04K	Attendee
19481A04K2	9/20/2021	9/20/2021	2h 1m	19481A04K	Attendee
19481A04K5	9/20/2021	9/20/2021	1h 14m	19481A04K	Attendee
19481A04K8	9/20/2021	9/20/2021	2h 51m	19481A04K	Attendee
19481A04K9	9/20/2021	9/20/2021	2h 21m	19481A04K	Attendee
19481A04L0	9/20/2021	9/20/2021	1h 42m	19481A04L	Attendee
19481A04L0	9/20/2021	9/20/2021	47m 31s	19481A04L	Attendee
19481A04L1	9/20/2021	9/20/2021	1m 20s	19481A04L	Attendee
19481A04L1	9/20/2021	9/20/2021	1h 52m	19481A04L	Attendee
19481A04L3	9/20/2021	9/20/2021	2h 2m	19481A04L	Attendee
19481A04L4	9/20/2021	9/20/2021	2h 22m	19481A04L	Attendee
19481A04L7	9/20/2021	9/20/2021	2h 43m	19481A04L	Attendee
19481A04L9	9/20/2021	9/20/2021	2h 1m	19481A04L	Attendee
19481A04M0	9/20/2021	9/20/2021	1h 45m	19481A04M	Attendee
19481A04M3	9/20/2021	9/20/2021	1h 29m	19481A04M	Attendee
19481A04M3	9/20/2021	9/20/2021	1h 23m	19481A04M	Attendee
19481A04M4	9/20/2021	9/20/2021	2h 38m	19481A04M	Attendee
19481A04M5	9/20/2021	9/20/2021	2h 48m	19481A04M	Attendee
19481A04M7	9/20/2021	9/20/2021	2h 57m	19481A04M	Attendee
19481A04M9	9/20/2021	9/20/2021	1m 54s	19481A04M	Attendee
19481A04M9	9/20/2021	9/20/2021	3h 16m	19481A04M	Attendee
19481A04N0	9/20/2021	9/20/2021	2h 9m	19481A04N	Attendee
19481A04N1	9/20/2021	9/20/2021	2h 59m	19481A04N	Attendee
19481A04N2	9/20/2021	9/20/2021	18s	19481A04N	Attendee
19481A04N2	9/20/2021	9/20/2021	23m 37s	19481A04N	Attendee
19481A04O2	9/20/2021	9/20/2021	1h 56m	19481A04O	Attendee
19481A04O3	9/20/2021	9/20/2021	2h 10m	19481A04O	Attendee
19481A04O5	9/20/2021	9/20/2021	3h 4m	19481A04O	Attendee
19481A04O8	9/20/2021	9/20/2021	50m 21s	19481A04O	Attendee
19481A04O8	9/20/2021	9/20/2021	1h 13m	19481A04O	Attendee
19481A04P0	9/20/2021	9/20/2021	2h 51m	19481A04P	Attendee
19481A04P2	9/20/2021	9/20/2021	1h 49m	19481A04P	Attendee
19481A04P3	9/20/2021	9/20/2021	2h 24m	19481A04P	Attendee
19481A04P5	9/20/2021	9/20/2021	3h 14m	19481A04P	Attendee
20485A0402	9/20/2021	9/20/2021	2h 41m	20485A040	Attendee

20485A0403	9/20/2021	9/20/2021	2h 37m	20485A040	Attendee
20485A0404	9/20/2021	9/20/2021	2h 41m	20485A040	Attendee
20485A0405	9/20/2021	9/20/2021	2h 9m	20485A040	Attendee
20485A0406	9/20/2021	9/20/2021	2h 43m	20485A040	Attendee
20485A0407	9/20/2021	9/20/2021	1h 42m	20485A040	Attendee
20485A0408	9/20/2021	9/20/2021	2h 44m	20485A040	Attendee
20485A0409	9/20/2021	9/20/2021	2h 44m	20485A040	Attendee
20485A0410	9/20/2021	9/20/2021	53m 23s	20485A041	Attendee
20485A0413	9/20/2021	9/20/2021	25s	20485A041	Attendee
20485A0413	9/20/2021	9/20/2021	2h 54m	20485A041	Attendee
20485A0414	9/20/2021	9/20/2021	1h 51m	20485A041	Attendee
20485A0414	9/20/2021	9/20/2021	52m 46s	20485A041	Attendee
20485A0415	9/20/2021	9/20/2021	2h 37m	20485A041	Attendee
20485A0416	9/20/2021	9/20/2021	2h 32m	20485A041	Attendee
20485A0418	9/20/2021	9/20/2021	2h 44m	20485A041	Attendee
20485A0420	9/20/2021	9/20/2021	38m 43s	20485A042	Attendee
20485A0421	9/20/2021	9/20/2021	2h 51m	20485A042	Attendee
20485A0422	9/20/2021	9/20/2021	2h 25m	20485A042	Attendee
20485A0424	9/20/2021	9/20/2021	11m 47s	20485A042	Attendee
20485A0424	9/20/2021	9/20/2021	2h 24m	20485A042	Attendee

CERTIFICATE OF COMPLETION

This is to certify that Mr./Ms. ADDALA ROHITA SAI studying III B.Tech., ECE bearing Roll no. 19481A0401 in SESHADRI RAO GUDLAVALLERU ENGINEERING COLLEGE completed the One week training program on **"Design of Internet of Things"** organized by the Department of Electronics and Communication Engineering, Seshadri Rao Gudlavalleru Engineering College, Gudlavalleru, in association with Mad Blocks Technologies Pvt. Ltd., Hyderabad, during the period 14-09-2021 to 21-09-2021.

Sri. N. Samba Murthy
Coordinator

Dr. Y. Ramakrishna
Professor & HoD

Dr. G. V. S. N. R. V. Prasad
Principal

SESHADRI RAO GUDLAVALLERU ENGINEERING COLLEGE

(An Autonomous Institute with Permanent Affiliation to JNTU, Kakinada)

Seshadri Rao Knowledge Village::Gudlavalleru, Krishna District, AP:521356

CERTIFICATE OF COMPLETION

This is to certify that Mr./Ms. AMINIGADDA NANDINI studying III B.Tech., ECE bearing Roll no. 19481A0406 in SESHADRI RAO GUDLAVALLERU ENGINEERING COLLEGE completed the One week training program on **"Design of Internet of Things"** organized by the Department of Electronics and Communication Engineering, Seshadri Rao Gudlavalleru Engineering College, Gudlavalleru, in association with Mad Blocks Technologies Pvt. Ltd., Hyderabad, during the period 14-09-2021 to 21-09-2021.

Sri. N. Samba Murthy
Coordinator

Dr. Y. Ramakrishna
Professor & HoD

Dr. G. V. S. N. R. V. Prasad
Principal

PROGRAM REPORT

Name of the Program : One week training program on "Design of Internet of Things"

Dates : 14th September 2021 to 21st September 2021

Details of the Resource Person : Er.P. Madhu,
Madblocks Technologies. Pvt., Ltd.,
Hyderabad

Objective of the Program : Students will get familiarized with Basic Architecture of IoT, Interfacing using Arduino, Controlling devices through Things Speak IoT Cloud

Outcomes of the Program : The training program makes students industry-ready for developing various projects in IoT.

No. of Participants : 257

Concluding Remarks : This training program was conducted successfully, and this program will pave way for the students in doing their mini project and main project in the IoT domain.

N. Sambamurthy
Faculty Advisor (ISF)

(N. Sambamurthy)

HoD, ECE

(Dr. Y. Ramakrishna)