SRI VENKATESWARA

COLLEGE OF ENGINEERING AND TECHNOLOGY

Thirupachur-631203, Tiruvallur TK & DT

Approved by AICTE New Delhi & Affiliated to Anna University, Chennai

(A Telugu Minority Institution)

20ECEVAC01 – DESIGN PRINCIPLES OF IOT

EVENT REPORT

Name of the Course: DESIGN PRINCIPLES OF IOT

Name of the Instructor: Dr. S. Sargunavathi, Professor, SREC

Year and Branch: II,III,IV & ME-VLSI – ELECTRONICS & COMMUNICATION ENGINEERING

Duration of Course: 35 Hrs (**10.08.2020** to **15.08.2020**)

SUMMARY OF THE EVENT:

The Course was inaugurated on **10.08.2020** at 8.30 am by our respectable Principal and HOD. As per the Course plan session was started and went smooth for the Remaining days. On the last day **15.08.2020** by 2.30 pm the course was Completed Successfully.

During the Six Days of the program Students were participated with enthusiasm and they finally gained a knowledge on **"Design Principles of IOT"**

ASSESMENT MODE:

No of Students Enrolled: 81   Scheme of Exam: Online

No of Students appeared:81   No of Students Passed:81

Date of Exam: 15.08.2020

OUTCOME:

At the end of the program the students were able to understand, the interpret the vision of IOT from a global content, implement data and knowledge management and use of device in IOT technologies. Understand the state of Architecture in IOT.

COORDINATOR   **HOD /ECE**

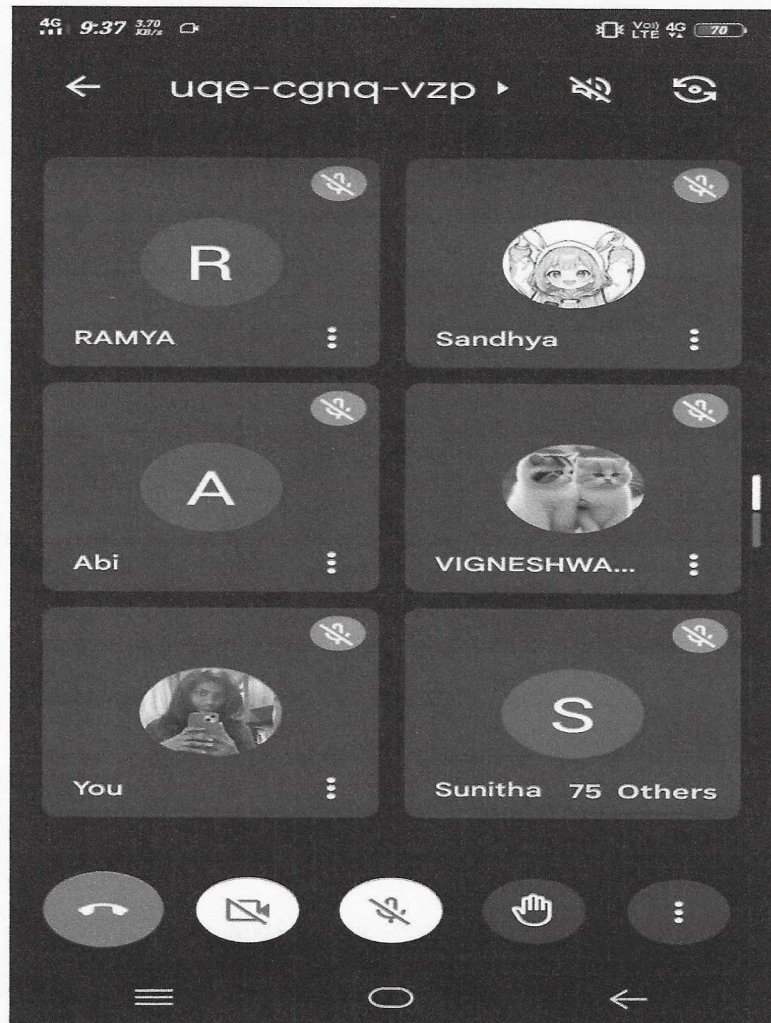**(Mrs. S. Angelin Silviya)**   **(Mr.V. Rajeshkumar)**

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20ECEVAC01 – DESIGN PRINCIPLES OF IOT

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<u>REQUEST LETTER</u>

From

Mr.V. Rajeshkumar

HOD /ECE

SVCET

Thirupachur.

Permitted

To,

The Principal

SVCET

Thirupachur

Respected sir,

Sub: Requesting permission to conduct a 6 Days value added course –Reg

As the Head of **Electronics & Communication Engineering** Department, I would like to request your support and permission to conduct Training Program on **"Design Principles of IOT"** in our department. There is a need that has been identified of keeping the students up to date with the new technologies. Most students would not have knowledge on this area which is not our available in our curriculum. So, there is need for a there is need for this program to challenge the industry opportunities.

The dates for the Training program have been fixed. The Training will start on **10.08.2020 and end on 15.08.2020** (35 Hrs). Will be handled by. **Dr. S. Sargunavathi, Professor, SREC.**I kindly requests your assistance in providing Tea and snack for the participants (students).

Please find the attached Invitation, circular to students, and a presentation highlighting the key areas that will be focused in the Training program.

Thanking You

HOD /ECE

(Mr.V. Rajeshkumar)

PRINCIPAL

(Dr. J. Venkatesh)

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31.07.2020

CIRCULAR

The department of Electronics and Communication Engineering will be conducting value added course on **"Design Principles of IOT"** from **10.08.2020** to **15.08.2020** (35 Hrs). It is proposed to keep the students up to date with the new technologies.
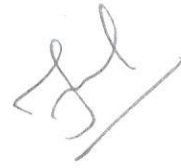
All the students are requested to participate actively, certificate will be provided for the enrolled Participants.

All the interested candidates should enroll their names to Mrs. Angelin Silvia, Assistant Professor, Department of Electronics and Communication Engineering on or before **04.08.2020**

HOD /ECE

(Mr.V. Rajeshkumar)

PRINCIPAL

(Dr. J. Venkatesh)

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APPROVED by AICTE, New Delhi and Affiliated to Anna University , Chennai

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
"DESIGNING PRINCIPLES OF IOT"

Date : 10.08.2020 - 15.08.2020

IoT

RESOURCE PERSON

1. Dr. S. Sargunavathi, Prof, Sriram Engg College

Mr. V. Rajeshkumar

HOD / ECE
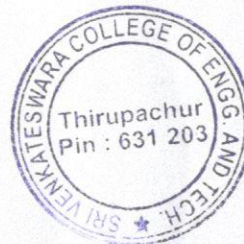
Thirupachur
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Dr.J. Venkatesh

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RESOURCE PERSON PROFILE

Resource person:1

Name	:	Dr. S. Sargunavathi
Designation	:	Professor
Department	:	ECE
Organization	:	Sriram Engineering College
Phone Number	:	9994832785
Email.ID	:	sargunas0778@gmail.com
Qualification	:	ME, PhD
Experience	:	20 years

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20ECEVAC01 – DESIGN PRINCIPLES OF IOT

COURSE CONTENT

OBJECTIVES

- To assess the vision and introduction of IoT.
- To Implement Data and Knowledge Management and use of Devices in IoT Technology.
- To Understand State of the art - IoT Architecture.

MODULE-I: M2M TO IOT

The Vision-Introduction, From M2M to IoT, M2M towards IoT-the global context, A. use case example, Differing Characteristics. Introduction, Some Definitions, M2M Value Chains, IoT Value Chains, An emerging industrial structure for IoT, The international driven global value chain and global information monopolies

MODULE-II: ARCHITECTURAL OVERVIEW

Building architecture, Main design principles and needed capabilities, An IoT architecture outline, standards considerations. Devices and gateways, Local and wide area networking, Data management, Business processes in IoT, Everything as a Service (XaaS), M2M and IoT Analytics, Knowledge Management

MODULE-III: IOT ARCHITECTURE-STATE OF THE ART

Introduction, State of the art. Functional View, Information View, Deployment and Operational View, Other Relevant architectural views. Technical Design constraints- hardware is popular again, Data representation and visualization, Interaction, and remote control.

OUTCOMES

- Interpret the vision of IoT from a global context.
- Implement Data and Knowledge Management and use of Devices in IoT Technology.
- Understand state of the art architecture in IoT.

COORDINATOR

(Mrs. S. Angelin Silviya)

HOD /ECE

(Mr.V. Rajeshkumar)

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20ECEVAC01 – DESIGN PRINCIPLES OF IOT

COURSE SCHEDULE

Day & Date	Session & Time	Speaker Name	Session Topics
		6 Days Training Schedule –20ECEVAC01 – DESIGN PRINCIPLES OF IOT		
Day 1 & 10.08.2020	8.30 am to 10.30am	Dr.S.Sargunavathi, Professor,SREC	The Vision-Introduction, From M2M to IoT.
	10.45 am to 12.45 pm	Dr.S.Sargunavathi, Professor,SREC	M2M towards IoT-the global context, A use case example, Differing Characteristics.
	1.30 pm to 3.30pm	Dr.S.Sargunavathi, Professor,SREC	Definitions, M2M Value Chains, IoT Value Chains
Day 2 & 11.08.2020	8.30 am to 10.30am	Dr.S.Sargunavathi, Professor,SREC	An emerging industrial structure for IoT
	10.45 am to 12.45 pm	Dr.S.Sargunavathi, Professor,SREC	The international driven global value chain and global information monopolies
	1.30 pm to 3.30pm	Dr.S.Sargunavathi, Professor,SREC	Building an architecture
Day 3 & 12.08.2020	8.30 am to 10.30am	Dr.S.Sargunavathi, Professor,SREC	Main design principles and needed capabilities.
	10.45 am to 12.45 pm	Dr.S.Sargunavathi, Professor,SREC	An IoT architecture outline, standards considerations, Devices and gateways
	1.30 pm to 3.30pm	Dr.S.Sargunavathi, Professor,SREC	Local and wide area networking, Data management, Business processes in IoT.
Day 4 & 13.08.2020	8.30 am to 10.30am	Dr.S.Sargunavathi, Professor,SREC	Everything as a Service (XaaS) M2M and IoT
	10.45 am to 12.45 pm	Dr.S.Sargunavathi, Professor,SREC	Analytics, Knowledge Management.
	1.30 pm to 3.30pm	Dr.S.Sargunavathi, Professor,SREC	Introduction, State of the art IoT Architecture
Day 5 & 14.08.2020	8.30 am to 10.30am	Dr.S.Sargunavathi, Professor,SREC	Functional View, Information View.
	10.45 am to 12.45 pm	Dr.S.Sargunavathi, Professor,SREC	Deployment and Operational View
	1.30 pm to 3.30pm	Dr.S.Sargunavathi, Professor,SREC	Other Relevant architectural views
Day 6 & 15.08.2020	8.30 am to 10.30am	Dr.S.Sargunavathi, Professor,SREC	Interaction and remote control
	10.45 am to 12.45 pm	Dr.S.Sargunavathi, Professor,SREC	Data representation and visualization
	1.30 pm to 2.30pm	Dr.S.Sargunavathi, Professor,SREC	Technical Design constraints-hardware is Setting popular again

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20ECEVAC01 – DESIGN PRINCIPLES OF IOT

Course Code	20ECEVAC01
Name of the Course	DESIGN PRINCIPLES OF IOT
Duration of the Course	35 HOURS
Academic Year	2020-21
Period of the Course	10.08.2020-15.08.2020

LIST OF STUDENTS ENROLLED

S.NO	YEAR	REGISTER NUMBER	NAMEOF STUDENTS
1	II	112419106001	ABISHIKTHA A
2	II	112419106002	DHANUSH M
3	II	112419106003	DIVYA A
4	II	112419106005	ISSAC V
5	II	112419106006	JAYASURYA A
6	II	112419106007	LOKESHWARI S
7	II	112419106008	MAGESH KUMAR E
8	II	112419106009	MEGALA R
9	II	112419106010	NIVAS K
10	II	112419106012	PRITHIVRAJ K
11	II	112419106013	RAJKUMAR M
12	II	112419106014	RAKESH S
13	II	112419106015	RATHIKA R
14	II	112419106016	RITHIKSHA B
15	II	112419106017	SARITHA S
16	II	112419106018	SELVA KUMAR C G
17	II	112419106019	SHALINI M
18	II	112419106020	SOFIYA R

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S.NO	YEAR	REGISTER NUMBER	NAMEOF STUDENTS
19	II	112419106021	SULOCHANA V
20	II	112419106022	SURYA I
21	II	112419106023	VASIGARAN S
22	II	112419106024	VEERASAMY R
23	II	112419106025	VIJAY S
24	II	112419106301	C B MONISHANKARI
25	II	112419106303	HARIHARAN.V
26	II	112419106304	KARTHICK.S
27	II	112419106305	NIRANJAN.B
28	II	112419106306	PRATHNASREE.S
29	II	112419106307	RAJESHKANNA.V
30	II	112419106308	SARAVANAN.S
31	II	112419106309	SHEEBHA.R
32	II	112419106310	SURYA.C
33	III	112418106001	BABY SHAKILA M
34	III	112418106002	BERSHIN MANO M M
35	III	112418106003	BHARATH S
36	III	112418106004	BHARATHKUMAR J
37	III	112418106005	BHUVANA S
38	III	112418106006	BHUVANESH B
39	III	112418106007	DEEPA M
40	III	112418106008	DEEPAK RAJ P
41	III	112418106009	DINESH K
42	III	112418106010	FISHEELLA PERADISH M
43	III	112418106011	FRANCIS SAVIOR J
44	III	112418106012	GOKUL M
45	III	112418106013	HARISH R

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S.NO	YEAR	REGISTER NUMBER	NAMEOF STUDENTS
46	III	112418106014	JANARTHANAM P B
47	III	112418106016	KAVIYA L
48	III	112418106019	MOHAN J
49	III	112418106020	MOHAN P
50	III	112418106021	NARMATHA R
51	III	112418106022	NIVETHA H
52	III	112418106023	PREETHI N
53	III	112418106024	PRIYA K
54	III	112418106025	RAGAVENDRAN S
55	III	112418106026	RAMYA S
56	III	112418106028	SINDHU S
57	III	112418106029	SNEHA V
58	III	112418106030	SUGASHINI S
59	III	112418106032	VIJAYALAKSHMI G
60	III	112418106033	VISHWA V
61	III	112418106301	BARATH E
62	III	112418106302	LAKSHMANAN D
63	III	112418106303	SERAN SACHIN G
64	IV	112417106001	AISWARYA C
65	IV	112417106002	AMALI.C
66	IV	112417106003	AMMINENI REVANTH
67	IV	112417106005	BANUMATHI.R
68	IV	112417106007	BHAVANI.S
69	IV	112417106008	BHUVANESHWARI.P
70	IV	112417106009	CATHRIN K
71	IV	112417106011	DILLIBABU.B
72	I-ME-VLSI	112420419001	ANUSHAYA DEVI K

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S.NO	YEAR	REGISTER NUMBER	NAMEOF STUDENTS
73	I-ME-VLSI	112420419002	ARUNTHADHI G
74	I-ME-VLSI	112420419003	ATCHAYA DEVI
75	I-ME-VLSI	112420419004	GEETHA D
76	I-ME-VLSI	112420419005	HAZIFA SHAFREEN S
77	I-ME-VLSI	112420419006	KALAIVANI S
78	I-ME-VLSI	112420419007	MANIMEGALAI G
79	I-ME-VLSI	112420419008	MUJEEBA AFREEN M
80	I-ME-VLSI	112420419009	RAGOTHAMAN
81	I-ME-VLSI	112420419010	SHARATHA

COORDINATOR

(Mrs. S. Angelin Silviya)

HOD /ECE

(Mr.V. Rajeshkumar)

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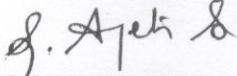Engineering and Technology,
Thirupa

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20ECEVAC01 – DESIGN PRINCIPLES OF IOT

Course Code	20ECEVAC01
Name of the Course	DESIGN PRINCIPLES OF IOT
Duration of the Course	35 HOURS
Academic Year	2020-21
Period of the Course	10.08.2020-15.08.2020

ATTENDANCE

S.NO	YEAR	REGISTER NUMBER	NAME OF STUDENTS	10.08.20 6 HOURS		11.08.20 6 HOURS		12.08.20 6 HOURS		13.08.20 6 HOURS		14.08.20 6 HOURS		15.08.20 5 HOURS		TOTAL HOURS (35)
				FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	
1	II	112419106001	ABISHIKTHA A	/	/	/	/	/	/	/	/	/	/	/	/	35
2	II	112419106002	DHANUSH M	/	/	/	/	/	/	/	/	/	/	/	/	35
3	II	112419106003	DIVYA A	/	/	/	/	/	/	/	/	/	/	/	/	35
4	II	112419106005	ISSAC V	/	/	/	/	/	/	/	/	/	/	/	/	35
5	II	112419106006	JAYASURYA A	/	/	/	/	/	/	/	/	/	/	/	/	35
6	II	112419106007	LOKESHWARI S	/	/	/	/	/	/	/	/	/	/	/	/	35
7	II	112419106008	MAGESH KUMAR E	/	/	/	/	/	/	/	/	/	/	/	/	35
8	II	112419106009	MEGALA R	/	/	/	/	/	/	/	/	/	/	/	/	35
9	II	112419106010	NIVAS K	/	/	/	/	/	/	/	/	/	/	/	/	35
10	II	112419106012	PRITHIVRAJ K	/	/	/	/	/	/	/	/	/	/	/	/	35
11	II	112419106013	RAJKUMAR M	/	/	/	/	/	/	/	/	/	/	/	/	35
12	II	112419106014	RAKESH S	/	/	/	/	/	/	/	/	/	/	/	/	35
13	II	112419106015	RATHIKA R	/	/	/	/	/	/	/	/	/	/	/	/	35
14	II	112419106016	RITHIKSHA B	/	/	/	/	/	/	/	/	/	/	/	/	35
15	II	112419106017	SARITHA S	/	/	/	/	/	/	/	/	/	/	/	/	35
16	II	112419106018	SELVA KUMAR C G	/	/	/	/	/	/	/	/	/	/	/	/	35

Thirupachur
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				FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	
17	II	112419106019	SHALINI M	/	/	/	/	/	/	/	/	/	/	/	/	35
18	II	112419106020	SOFIYA R	/	/	/	/	/	/	/	/	/	/	/	/	35
19	II	112419106021	SULOCHANA V	/	/	/	/	/	/	/	/	/	/	/	/	35
20	II	112419106022	SURYA I	/	/	/	/	/	/	/	/	/	/	/	/	35
21	II	112419106023	VASIGARAN S	/	/	/	/	/	/	/	/	/	/	/	/	35
22	II	112419106024	VEERASAMY R	/	/	/	/	/	/	/	/	/	/	/	/	35
23	II	112419106025	VIJAY S	/	/	/	/	/	/	/	/	/	/	/	/	35
24	II	112419106301	C B MONISHANKARI	/	/	/	/	/	/	/	/	/	/	/	/	35
25	II	112419106303	HARIHARAN.V	/	/	/	/	/	/	/	/	/	/	/	/	35
26	II	112419106304	KARTHICK.S	/	/	/	/	/	/	/	/	/	/	/	/	35
27	II	112419106305	NIRANJAN.B	/	/	/	/	/	/	/	/	/	/	/	/	35
28	II	112419106306	PRATHNASREE.S	/	/	/	/	/	/	/	/	/	/	/	/	35
29	II	112419106307	RAJESHKANNA.V	/	/	/	/	/	/	/	/	/	/	/	/	35
30	II	112419106308	SARAVANAN.S	/	/	/	/	/	/	/	/	/	/	/	/	35
31	II	112419106309	SHEEBHA.R	/	/	/	/	/	/	/	/	/	/	/	/	35
32	II	112419106310	SURYA.C	/	/	/	/	/	/	/	/	/	/	/	/	35
33	III	112418106001	BABY SHAKILA M	/	/	/	/	/	/	/	/	/	/	/	/	35
34	III	112418106002	BERSHIN MANO M M	/	/	/	/	/	/	/	/	/	/	/	/	35
35	III	112418106003	BHARATH S	/	/	/	/	/	/	/	/	/	/	/	/	35
36	III	112418106004	BHARATHKUMAR J	/	/	/	/	/	/	/	/	/	/	/	/	35
37	III	112418106005	BHUVANA S	/	/	/	/	/	/	/	/	/	/	/	/	35
38	III	112418106006	BHUVANESH B	/	/	/	/	/	/	/	/	/	/	/	/	35
39	III	112418106007	DEEPA M	/	/	/	/	/	/	/	/	/	/	/	/	35

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				FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	
40	III	112418106008	DEEPAK RAJ P	/	/	/	/	/	/	/	/	/	/	/	/	35
41	III	112418106009	DINESH K	/	/	/	/	/	/	/	/	/	/	/	/	35
42	III	112418106010	FISHEELLA PERADISH M	/	/	/	/	/	/	/	/	/	/	/	/	35
43	III	112418106011	FRANCIS SAVIOR J	/	/	/	/	/	/	/	/	/	/	/	/	35
44	III	112418106012	GOKUL M	/	/	/	/	/	/	/	/	/	/	/	/	35
45	III	112418106013	HARISH R	/	/	/	/	/	/	/	/	/	/	/	/	35
46	III	112418106014	JANARTHANAM P B	/	/	/	/	/	/	/	/	/	/	/	/	35
47	III	112418106016	KAVIYA L	/	/	/	/	/	/	/	/	/	/	/	/	35
48	III	112418106019	MOHAN J	/	/	/	/	/	/	/	/	/	/	/	/	35
49	III	112418106020	MOHAN P	/	/	/	/	/	/	/	/	/	/	/	/	35
50	III	112418106021	NARMATHA R	/	/	/	/	/	/	/	/	/	/	/	/	35
51	III	112418106022	NIVETHA H	/	/	/	/	/	/	/	/	/	/	/	/	35
52	III	112418106023	PREETHI N	/	/	/	/	/	/	/	/	/	/	/	/	35
53	III	112418106024	PRIYA K	/	/	/	/	/	/	/	/	/	/	/	/	35
54	III	112418106025	RAGAVENDRAN S	/	/	/	/	/	/	/	/	/	/	/	/	35
55	III	112418106026	RAMYA S	/	/	/	/	/	/	/	/	/	/	/	/	35
56	III	112418106028	SINDHU S	/	/	/	/	/	/	/	/	/	/	/	/	35
57	III	112418106029	SNEHA V	/	/	/	/	/	/	/	/	/	/	/	/	35
58	III	112418106030	SUGASHINI S	/	/	/	/	/	/	/	/	/	/	/	/	35
59	III	112418106032	VIJAYALAKSHMI G	/	/	/	/	/	/	/	/	/	/	/	/	35
60	III	112418106033	VISHWA V	/	/	/	/	/	/	/	/	/	/	/	/	35
61	III	112418106301	BARATH E	/	/	/	/	/	/	/	/	/	/	/	/	35
62	III	112418106302	LAKSHMANAN D	/	/	/	/	/	/	/	/	/	/	/	/	35

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S.NO	YEAR	REGISTER NUMBER	NAME OF STUDENTS	10.08.20 6 HOURS		11.08.20 6 HOURS		12.08.20 6 HOURS		13.08.20 6 HOURS		14.08.20 6 HOURS		15.08.20 5 HOURS		TOTAL HOURS (35)
				FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	
63	III	112418106303	SERAN SACHIN G	/	/	/	/	/	/	/	/	/	/	/	/	35
64	IV	112417106001	AISWARYA C	/	/	/	/	/	/	/	/	/	/	/	/	35
65	IV	112417106002	AMALI.C	/	/	/	/	/	/	/	/	/	/	/	/	35
66	IV	112417106003	AMMINENI REVANTH	/	/	/	/	/	/	/	/	/	/	/	/	35
67	IV	112417106005	BANUMATHI.R	/	/	/	/	/	/	/	/	/	/	/	/	35
68	IV	112417106007	BHAVANI.S	/	/	/	/	/	/	/	/	/	/	/	/	35
69	IV	112417106008	BHUVANESHWARI.P	/	/	/	/	/	/	/	/	/	/	/	/	35
70	IV	112417106009	CATHRIN K	/	/	/	/	/	/	/	/	/	/	/	/	35
71	IV	112417106011	DILLIBABU.B	/	/	/	/	/	/	/	/	/	/	/	/	35
72	I-ME-VLSI	112420419001	ANUSHAYA DEVI K	/	/	/	/	/	/	/	/	/	/	/	/	35
73	I-ME-VLSI	112420419002	ARUNTHADHI G	/	/	/	/	/	/	/	/	/	/	/	/	35
74	I-ME-VLSI	112420419003	ATCHAYA DEVI	/	/	/	/	/	/	/	/	/	/	/	/	35
75	I-ME-VLSI	112420419004	GEETHA D	/	/	/	/	/	/	/	/	/	/	/	/	35
76	I-ME-VLSI	112420419005	HAZIFA SHAFREEN S	/	/	/	/	/	/	/	/	/	/	/	/	35
77	I-ME-VLSI	112420419006	KALAIVANI S	/	/	/	/	/	/	/	/	/	/	/	/	35
78	I-ME-VLSI	112420419007	MANIMEGALAI G	/	/	/	/	/	/	/	/	/	/	/	/	35
79	I-ME-VLSI	112420419008	MUJEEBA AFREEN M	/	/	/	/	/	/	/	/	/	/	/	/	35
80	I-ME-VLSI	112420419009	RAGOTHAMAN	/	/	/	/	/	/	/	/	/	/	/	/	35
81	I-ME-VLSI	112420419010	SHARATHA	/	/	/	/	/	/	/	/	/	/	/	/	35

COORDINATOR

(Mrs. S. Angelin Silviya)

HOD /ECE

(Mr.V. Rajeshkumar)

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Engineering and Technology,
Thirupachur, Thiruvallur - 631 203

20ECEVAC01 –DESIGN PRINCIPLES OF IOT

TEST QUESTIONS

1) How many numbers of the element in the open IoT architecture?

    a) Four elements

    b) Five elements

    c) Six elements

    d) Seven elements

2) Which of the following is the way in which an IoT device is associated with data?

    a) Internet

    b) Cloud

    c) Automata

    d) Network

3) Which of the following IoT networks has a very short range?

    a) Short Network

    b) LPWAN

    c) Sig Fox

    d) Short-range Wireless Network

4) What is the full form of the LPWAN?

    a) Low Protocol Wide Area Network

    b) Low Power Wide Area Network

    c) Long Protocol Wide Area Network

    d) Long Power Wide Area Network

5) An IoT network is a collection of devices.

    a) Signal

    b) Machine to Machine

    c) Interconnected

    d) Network to Network

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6) Which one of the following is not an IoT device?

    a) Amazon echo voice controller

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    c) Nest Smoke Alarm

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7) What is the main purpose of IoT (Web of Things) in the IoT?

    a) Improve the usability and interoperability

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8) What is the Arduino UNO?

    a) Software

    b) Hardware device

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9) .... allows the user to control electronic components.

    a) Android API

    b) RET full API

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    a) Wearables

    b) Smart Grid

    c) Arduino

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    b) HTTP

    c) MQTT

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12) What is the role of Big Data in IoT's Smart Grid architecture?

    a) Filter the data

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13) What is the real example of a smart grid device in IoT?

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    a) 250 MHz

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18) Which of the following layers provides end-to-end communication in IoT?

    a) Logical layer

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19) Which of the following devices is used to measure the gases or liquid?

    a) Optical Sensor

    b) Gas Sensor

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    d) Pressure sensor

20) Which interface does the fingerprint sensor use?

    a) UART interface

    b) CoAP interface

    c) SPI interface

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20ECEVAC01 – DESIGN PRINCIPLES OF IOT

FEEDBACK FORM

* Indicates required question

Student Reg. No. & Name:

Sem&Year: Date:

112419106014-RAKESH S /II YEAR/11/7/2020

1. This course was interesting *

- [ ] a) Strongly Agree
- [x] b) Agree
- [ ] c) Moderate
- [ ] d) Disagree
- [ ] e) Strongly Disagree

2. Was this course useful? *

- [ ] a) Strongly Agree
- [x] b) Agree
- [ ] c) Moderate
- [ ] d) Disagree
- [ ] e) Strongly Disagree

3. During the course did you find any technical Difficulties? *

- [ ] a) Strongly Agree
- [ ] b) Agree
- [ ] c) Moderate
- [x] d) Disagree
- [ ] e) Strongly Disagree

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4. Did the instructor delivered the information, you didn't know already

- ☐ a) Strongly Agree
- ☑ b) Agree
- ☐ c) Moderate
- ☐ d) Disagree
- ☐ e) Strongly Disagree

5. The Subject matter was presented effectively

- ☐ a) Strongly Agree
- ☑ b) Agree
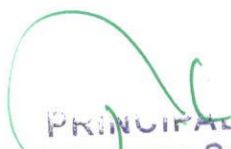- ☐ c) Moderate
- ☐ d) Disagree
- ☐ e) Strongly Disagree

6. This instructor helped me learn about how the course works in the real world.

- ☐ a) Strongly Agree
- ☑ b) Agree
- ☐ c) Moderate
- ☐ d) Disagree
- ☐ e) Strongly Disagree

7. This instructor provided information I can use to be successful in my career.

- ☐ a) Strongly Agree
- ☑ b) Agree
- ☐ c) Moderate
- ☐ d) Disagree
- ☐ e) Strongly Disagree

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8. Overall how do you rate the Training Program?

- ☐ a) Strongly Agree
- ☑ b) Agree
- ☐ c) Moderate
- ☐ d) Disagree
- ☐ e) Strongly Disagree

Submitted 11/7/20, 3:38PM

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Google Forms

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20ECEVAC01 – DESIGN PRINCIPLES OF IOT

TEST QUESTIONS

Responsea cannot be edited

20ECEVAC01 –DESIGN PRINCIPLES OF IOT

20ECEVAC01 –DESIGN PRINCIPLES OF
IOT

STUDENT NAME AND REGISTER NUMBER *

112419106010   NIVAS K

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Submitted 11/7/20, 3:17PM

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20ECEVAC01 – DESIGN PRINCIPLES OF IOT

Course Code	20ECEVAC01
Name of the Course	DESIGN PRINCIPLES OF IOT
Duration of the Course	35 HOURS
Academic Year	2020-21
Period of the Course	10.08.2020-15.08.2020

STUDENT EVALUATION SHEET

S.NO	YEAR	REGISTER NUMBER	NAMEOF STUDENTS	ATTENDANCE	MARK
1	II	112419106001	ABISHIKTHA A	35	95
2	II	112419106002	DHANUSH M	35	80
3	II	112419106003	DIVYA A	35	85
4	II	112419106005	ISSAC V	35	85
5	II	112419106006	JAYASURYA A	35	95
6	II	112419106007	LOKESHWARI S	35	100
7	II	112419106008	MAGESH KUMAR E	35	95
8	II	112419106009	MEGALA R	35	90
9	II	112419106010	NIVAS K	35	100
10	II	112419106012	PRITHIVRAJ K	35	95
11	II	112419106013	RAJKUMAR M	35	95
12	II	112419106014	RAKESH S	35	80
13	II	112419106015	RATHIKA R	35	85
14	II	112419106016	RITHIKSHA B	35	80
15	II	112419106017	SARITHA S	35	95
16	II	112419106018	SELVA KUMAR C G	35	90
17	II	112419106019	SHALINI M	35	90

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S.NO	YEAR	REGISTER NUMBER	NAME OF STUDENTS	ATTENDANCE	MARK
18	II	112419106020	SOFIYA R	35	85
19	II	112419106021	SULOCHANA V	35	90
20	II	112419106022	SURYA I	35	90
21	II	112419106023	VASIGARAN S	35	90
22	II	112419106024	VEERASAMY R	35	100
23	II	112419106025	VIJAY S	35	95
24	II	112419106301	C B MONISHANKARI	35	95
25	II	112419106303	HARIHARAN.V	35	85
26	II	112419106304	KARTHICK.S	35	80
27	II	112419106305	NIRANJAN.B	35	85
28	II	112419106306	PRATHNASREE.S	35	100
29	II	112419106307	RAJESHKANNA.V	35	95
30	II	112419106308	SARAVANAN.S	35	95
31	II	112419106309	SHEEBHA.R	35	90
32	II	112419106310	SURYA.C	35	90
33	III	112418106001	BABY SHAKILA M	35	90
34	III	112418106002	BERSHIN MANO M M	35	95
35	III	112418106003	BHARATH S	35	95
36	III	112418106004	BHARATHKUMAR J	35	95
37	III	112418106005	BHUVANA S	35	80
38	III	112418106006	BHUVANESH B	35	85
39	III	112418106007	DEEPA M	35	85
40	III	112418106008	DEEPAK RAJ P	35	90
41	III	112418106009	DINESH K	35	95
42	III	112418106010	FISHEELLA PERADISH M	35	95
43	III	112418106011	FRANCIS SAVIOR J	35	80
44	III	112418106012	GOKUL M	35	85

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S.NO	YEAR	REGISTER NUMBER	NAMEOF STUDENTS	ATTENDANCE	MARK
45	III	112418106013	HARISH R	35	90
46	III	112418106014	JANARTHANAM P B	35	95
47	III	112418106016	KAVIYA L	35	85
48	III	112418106019	MOHAN J	35	100
49	III	112418106020	MOHAN P	35	85
50	III	112418106021	NARMATHA R	35	95
51	III	112418106022	NIVETHA H	35	95
52	III	112418106023	PREETHI N	35	90
53	III	112418106024	PRIYA K	35	90
54	III	112418106025	RAGAVENDRAN S	35	90
55	III	112418106026	RAMYA S	35	85
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66	IV	112417106003	AMMINENI REVANTH	35	95
67	IV	112417106005	BANUMATHI.R	35	95
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70	IV	112417106009	CATHRIN K	35	85
	IV	112417106011	DILLIBABU.B	35	85

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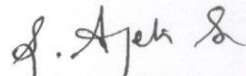Engineering and Technology,
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S.NO	YEAR	REGISTER NUMBER	NAMEOF STUDENTS	ATTENDANCE	MARK
72	I-ME-VLSI	112420419001	ANUSHAYA DEVI K	35	85
73	I-ME-VLSI	112420419002	ARUNTHADHI G	35	90
74	I-ME-VLSI	112420419003	ATCHAYA DEVI	35	85
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77	I-ME-VLSI	112420419006	KALAIVANI S	35	90
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