SRI VENKATESWARA

COLLEGE OF ENGINEERING AND TECHNOLOGY

Thirupachur-631203, Tiruvallur TK & DT

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20EEEVAC01 – INDUSTRIAL INTERNET OF THINGS

EVENT REPORT

Name of the Course: INDUSTRIAL INTERNET OF THINGS

Name of the Instructor: Mr. R. Govindarajan, Asst. Prof, PIT

Year and Branch: II, III, IV & ME-PED – ELECTRICAL AND ELECTRONICS ENGINEERING

Duration of Course: 35 Hrs (**17.08.2020** to **22.08.2020**)

SUMMARY OF THE EVENT:

The Course was inaugurated on**17.08.2020** 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 **22.08.2020** by 3.30 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 **"Industrial Internet of Things"**

ASSESMENT MODE:

No of Students Enrolled: 87

Scheme of Exam: Online

No of Students appeared: 87

No of Students Passed: 87

Date of Exam: 22.08.2020

OUTCOME:

The students were able to understand role of IOT industry, to Acquire Knowledge of recent trends of IOT sensors, to design various communication technologies of IIOT, to gain Knowledge of Communication Protocols.

COORDINATOR

(Mrs. S. S. Divya)

HOD /EEE

(Mr. M. Namachivayam)

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20EEEVAC01 – INDUSTRIAL INTERNET OF THINGS

TEST QUESTIONS

1. The standard length of the MAC address is
   a) 16 bits
   b) 48 bits
   c) 32 bits
   d) 8 bits
2. What is the full form of IoT?
   a) Internet of Technology
   b) Incorporate of Things
   c) Internet of Things
   d) Incorporate of Technology
3. What is IoT?
   a) network of physical objects embedded with sensors
   b) network of virtual objects
   c) network of objects in the ring structure
   d) network of sensors
4. What is the use of PWM signals in IoT development boards?
   a) They are used by sensors to have analog input
   b) They are used by sensors to have digital input
   c) They are used by actuators to have analog input
   d) They are used by actuators to have digital input
5. Which of the following is true about Arduino IoT devices?
   a) They are open-source software
   b) They can only read analog inputs
   c) They have their own operating systems
   d) They don't have pre-programmed firmware
6. What is the role of Cloud in smart grid architecture of loT?
   a) Security
   b) Collect data
   c) Manage data
   d) Store data
7. Dweet.io provides to send data from loT devices.
   a) Web API
   b) POST HTTP
   c) JSON
   d) HTTP

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8. To avoid aliasing we use a filter
   a) Digital filter
   b) Aliasing filter
   c) Analog filer
   d) Anti-aliasing filter
9. What is the default boot loader of the Arduino UNO?
   a) Optiboot boot loader
   b) AIR-boot
   c) Bare box
   d) GAG
10. Which of the following is not an application of lot?
   a) Wearable's
   b) Smart Grid
   c) Arduino
   d)Smart city
11. Which interface does the fingerprint sensor use?
   a)UART interface
   b)CoAP interface
   c)SPI interface
   d) 12P interface
12. What is the full form of HDLC?
   a) Higher Data Level Communication
   b) Higher Data Link Communication
   c) High-level Data Link Control
   d) High Data Level Control
13. Which of the following touch sensors is used in a cell phone?
   a) Resistive touch sensors
   b) Human sensor
   c) Capacitive touch sensor
   d) Follow sensor
14. Which of the following is the example of a short-range wireless network?
   a) VPN
   b) Wi-Fi
   c) Internet
   d)WWW

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15. Active Engagement Features of IOT means?
    a) IoT makes the connected technology, product, or services to active engagement between each other.
    b) It makes the complete failure of the system.
    c) IoT makes things smart and enhances life through the use of data.
    d) None of the above
16. Which is the future application of IoT?
    a) QoS in communication
    b) Role of green IoT system
    c) Secure communication
    d) Multimedia communication
17. Open IoT manages the registration, data acquisition, deployment of sensors and interconnected objects, through which network?
    a) GSN
    b) X-GSN
    c) LSM
    d) HTTP
18. Which language is preferred for IOT analytics?
    a) C++
    b) Python
    c) HTML
    d) OHP
19. Which network is used by a sensor?
    a) PAN and LAN
    b) PAN and HAN
    c) HAN and LAN
    d) HAN, PAN, and LAN
20. The filtering is a security measure on various wireless networks:
    a. IP
    b. OUI
    c. MAC
    d. NIC Act

COORDINATOR
(Mrs. S. S. Divya)

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HOD /EEE
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20EEEVAC01 – INDUSTRIAL INTERNET OF THINGS
TEST QUESTIONS

Responses cannot be edited

20EEEVAC01 – INDUSTRIAL INTERNET OF THINGS

20EEEVAC01
– INDUSTRIAL INTERNET OF THINGS

YEAR/SEM *

REGISTER NUMBER & NAME OF STUDENT

IV/II-112410519002-A.Harish Kumaran-22.08.2020

1. The standard length of the MAC address is

- ○ a) 16 bits
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3. What is IoT?

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6. What is the role of Cloud in smart grid architecture of IoT?

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7. Dweet.io provides to send data from IoT devices.

- (●) a) Web API
- ( ) b) POST HTTP
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- ( ) a) Wearable's
- ( ) b) Smart Grid
- (●) c) Arduino
- ( ) d) Smart city

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11. Which interface does the fingerprint sensor use?

- a)UART interface
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- c)SPi interface
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- a) Higher Data Level Communication
- b) Higher Data Link Communication
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- a) Resistive touch sensors
- b) Human sensor
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- c) Internet
- d) WAN

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19. Which network is used by a sensor?

- ○ a) PAN and LAN
- ○ b) PAN and HAN
- ○ c) HAN and LAN
- ◉ **d) HAN, PAN, and LAN**

20. The filtering is a security measure on various wireless networks:

- ○ a. IP
- ○ b. OUI
- ◉ c. MAC
- ○ d. NIC Act

Submitted 22/08/20 3:15PM

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20EEEVAC01 – INDUSTRIAL INTERNET OF THINGS

Course Code	20EEEVAC01
Name of the Course	INDUSTRIAL INTERNET OF THINGS
Duration of the Course	35 HOURS
Academic Year	2020-21
Period of the Course	17.08.2020-22.08.2020

STUDENT EVALUATION SHEET

S.NO	YEAR	REGISTER NUMBER	NAMEOF STUDENTS	ATTENDANCE	MARKS
1	II	112419105001	BALAJI M	35	85
2	II	112419105002	HARISHKUMARAN A	35	90
3	II	112419105004	PRAVEENKUMAR D	35	90
4	II	112419105005	PREMAVATHI C	35	90
5	II	112419105006	RAKESHKUMAR J	35	90
6	II	112419105007	SNEHA N	35	90
7	II	112419105008	SONIYA K	35	85
8	II	112419105009	SRIDEVI K	35	100
9	II	112419105010	SUNILKUMAR B	35	95
10	II	112419105011	THULASIRAMAN B	35	95
11	II	112419105302	DEVANATHAN R	35	95
12	II	112419105303	GURUMOORTHY R	35	95
13	II	112419105304	JOTHIRAJAN T	35	85
14	II	112419105305	KALANITHI R	35	80
15	II	112419105306	NARESHKUMAR V	35	85
16	II	112419105307	PARTHIBAN S	35	95
17	II	112419105308	PRADEEPRAJ R	35	100

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S.NO	YEAR	REGISTER NUMBER	NAMEOF STUDENTS	ATTENDANCE	MARKS
18	II	112419105309	RAMAMOORTHY L	35	90
19	II	112419105310	SANTHOSH R	35	80
20	II	112419105311	SURENDHAR A	35	85
21	II	112419105312	VIJAY M	35	100
22	III	112418105001	ASWIN.E	35	90
23	III	112418105002	BHARANIDHRAN.M	35	95
24	III	112418105003	BHARATHI C.K	35	95
25	III	112418105004	DHAYANITHI.G	35	95
26	III	112418105006	DINESH.B	35	85
27	III	112418105007	KARTHICK .D	35	100
28	III	112418105008	MOHAMMED JUNAID AHMED.N	35	95
29	III	112418105009	PRASANNA KUMAR.K	35	95
30	III	112418105010	RAKESH.R	35	95
31	III	112418105011	SHARAN.G	35	95
32	III	112418105012	TAMILVANAN.D	35	85
33	III	112418105013	VENKATESAN.R	35	85
34	III	112418105014	VIJAYA KUMAR.S	35	85
35	III	112418105015	VINOTHINI.R	35	100
36	III	112418105016	YUVARAJ.N	35	90
37	III	112418105302	ANBARASAN A	35	90
38	III	112418105304	BALAJI C	35	90
39	III	112418105305	BALAKUMARAN S	35	85
40	III	112418105306	DEEPAK D	35	90
41	III	112418105308	JAYASEELAN D	35	95
42	III	112418105310	PERUMAL G	35	95

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43	III	112418105311	PRAGADEESHWARAN A	35	90
44	III	112418105312	RAMYA S	35	90
45	III	112418105313	SATHYA MOORTHY R	35	90
46	III	112418105314	SUBHAM THAKUR	35	85
47	III	112418105315	SUGUMARAN A	35	85
48	III	112418105316	SUSANTHIKA C	35	95
49	III	112418105317	VASANTH V	35	95
50	III	112418105318	VINOTH KUMAR M	35	95
51	IV	112417105001	ANANDHA PRIYA.R	35	95
52	IV	112417105002	AKASH.A	35	95
53	IV	112417105003	AMMU.E	35	85
54	IV	112417105004	ANAND.S	35	85
55	IV	112417105005	CHANDRAMOULI.K	35	85
56	IV	112417105007	DIVAKAR.K	35	85
57	IV	112417105008	GAYATHRI.V	35	85
58	IV	112417105009	KIRUBAKARAN.G	35	85
59	IV	112417105010	KISHOREKUMAR S	35	85
60	IV	112417105011	MONISH.B	35	90
61	IV	112417105013	NAVANEETHA HALDER	35	95
62	IV	112417105014	NAVEENA.P	35	90
63	IV	112417105015	PRADEEBAN.V	35	95
64	IV	112417105017	PRAVEEN KUMAR.J	35	95
65	IV	112417105018	RAMYA.J.C	35	95
66	IV	112417105019	SNEHA.M	35	95
67	IV	112417105020	SONA.S	35	80

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68	IV	112417105021	SUBATHRA.K.S	35	95
69	IV	112417105023	SURESH KUMAR.R	35	100
70	IV	112417105025	UMA MAHESHWARI.R	35	95
71	IV	112417105026	VIGNESHWAR.D	35	95
72	IV	112417105027	VIGNESHWARAN.R	35	100
73	IV	112417105028	VIJAYESHWARAN.B	35	90
74	IV	112417105029	VIKRAM.S	35	90
75	IV	112417105301	AJAY KUMAR.K	35	95
76	IV	112417105302	JENIPER.M	35	95
77	IV	112417105303	KAMALAKKANNAN.V	35	95
78	IV	112417105304	KARTHIRAVAN.D	35	95
79	IV	112417105305	LAKSHMI PRASAD.D.M	35	90
80	IV	112417105306	MAGESHWARAN.M	35	90
81	I-ME-PED	112420415001	ARPUTHA RUBY	35	90
82	I-ME-PED	112420415002	SANGEETHA R	35	90
83	I-ME-PED	112420415003	SHANMUGARAJAN	35	95
84	II-ME-PED	112419415001	AJITH KUMAR R	35	95
85	II-ME-PED	112419415002	ANANTHI S	35	95
86	II-ME-PED	112419415003	NANDHINI M	35	100
87	II-ME-PED	112419415004	SRIRANJANI N	35	90

COORDINATOR

(Mrs. S. S. Divya)

HOD /EEE

(Mr. M. Namachivayam)

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

CERTIFICATE OF PARTICIPATION

This is to certify that ~~Mr~~/Ms ...VINOTHINI.R (112418105015)..... UG/~~PG~~

Department of Electrical and Electronics Engineering has successfully completed

Value Added Course titled 'INDUSTRIAL INTERNET OF THINGS'

held from 17.08.2020 to 22.08.2020

CO-ORDINATOR

HOD / EEE

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This is to certify that ~~Mr~~/Ms SRIRANJANI.N(112A1941504)..... ~~UG~~/~~PG~~ Department of Electrical and Electronics Engineering has successfully completed Value Added Course titled 'INDUSTRIAL INTERNET OF THINGS' held from 17.08.2020 to 22.08.2020

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