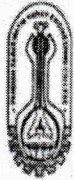


SYLLABUS/
CURRICULUM



PANDIAN SARASWATHI YADAV ENGINEERING COLLEGE

(Approved by AICTE & Affiliated to Anna University, Chennai)

Madurai - Sivagangai Highway, Arasanoor, Thirumansolai Post, Sivagangai Dt. - 630 561, Tamilnadu
Mobile : 9842102628, 7379002628 : Email: info@psyec.edu.in : Website : www.psyec.edu.in

City Office : 10, Pandian Saraswathi St, Sivagami Nagar, Narayanapuram, Madurai - 625 014. Telefax- 0452 2682338, Mobile : 98423-02628

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

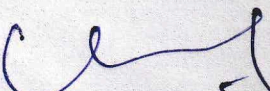
COURSE SYLLABUS

ACADEMIC YEAR 2019-2020

'VACECE1920IOT- INTERNET OF THINGS (IOT)'

- CHAPTER-1 Introduction to IOT** 7
Understanding IoT fundamentals, IOT Architecture and protocols, Various Platforms for IoT, Real time Examples of IoT, Overview of IoT components and IoT Communication Technologies, Challenges in IOT
- CHAPTER-2 Arduino Simulation Environment** 7
Arduino Uno Architecture, Setup the IDE, Writing Arduino Softwares, Arduino Libraries, Basics of Embedded C Programming for Arduino, Interfacing LED, Pushbutton and Buzzer with Arduino, Interfacing Arduino with LCD
- CHAPTER-3 Sensor & Actuators with Arduino** 7
Overview of Sensors working, Analog and Digital Sensors, Interfacing of Temperature, Humidity, Motion, Light and Gas Sensor with Arduino, Interfacing of Actuators with Arduino, Interfacing of Relay Switch and Servo Motor with Arduino
- CHAPTER-4 Basic Networking with ESP8266 WiFi module** 7
Basics of Wireless Networking, Introduction to ESP8266 Wi-Fi Module, Various Wi-Fi library, Web server-introduction, installation, configuration, Posting sensor(s) data to web server, IoT Protocols - M2Mvs.IOT, Communication Protocols
- CHAPTER-5 CloudP latforms for IOT** 7
Virtualization concepts and Cloud Architecture, Cloud computing, benefits, Cloud services --SaaS, PaaS, IaaS, Cloud providers & offerings, Study of IOT Cloud platforms, Thing Speak API and MQTT Interfacing ESP8266 with Web services

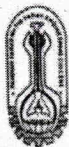
TOTAL: 35Hrs


COURSE COORDINATOR


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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING COURSE SCHEDULE

VACECE1920IOT- INTERNET OF THINGS(IOT)

DATE	TIME	SYLLABUS
04.12.2019	9.00AM TO 1.00PM	Understanding IoT fundamentals, IOT Architecture and protocols, Various Platforms for IoT, Real time Examples of IoT, Overview of IoT components and IoT Communication Technologies, Challenges in IOT
	2.00PM TO 5.00PM	
05.12.2019	9.00AM TO 1.00PM	Arduino Uno Architecture, Setup the IDE, Writing Arduino Softwares, Arduino Libraries, Basics of Embedded C Programming for Arduino, Interfacing LED, Pushbutton and Buzzer with Arduino, Interfacing Arduino with LCD
	2.00PM TO 5.00PM	
06.12.2019	9.00AM TO 1.00PM	Overview of Sensors working, Analog and Digital Sensors, Interfacing of Temperature, Humidity, Motion, Light and Gas Sensor with Arduino, Interfacing of Actuators with Arduino, Interfacing of Relay Switch and Servo Motor with Arduino
	2.00PM TO 5.00PM	
07.12.2019	9.00AM TO 1.00PM	Basics of Wireless Networking, Introduction to ESP8266 Wi-Fi Module, Various Wi-Fi library, Web server-introduction, installation, configuration, Posting sensor(s) data to web server, IoT Protocols - M2Mvs.IOT, Communication Protocols
	2.00PM TO 5.00PM	
08.12.2019	9.00AM TO 1.00PM	Virtualization concepts and Cloud Architecture, Cloud computing, benefits, Cloud services --SaaS, PaaS, IaaS, Cloud providers & offerings, Study of IOT Cloud platforms, Thing Speak API and MQTT Interfacing ESP8266 with Web services
	2.00PM TO 5.00PM	

Tea Break: 10:40 am to 10:55am & 02:45 pm to 15:00 pm
Lunch Break: 12:30pm to 01:00pm

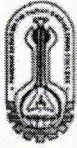
TOTAL: 35hrs


COURSE COORDINATOR


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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Academic Year 2019– 2020

One page Report

Name of the course : INTERNET OF THINGS (IOT)
Course Code : VACECE1920IOT
Resource Person : Mr.S.MANIKANDAN AP/ECE,PSYEC
Course Coordinator : Mr.S.CHRISTOPHER AP /ECE
Date/Duration : 04.12.2019 to 08.12.2019— 35 hours

I here affirm that the Final-year students of strength 26 have been taught the value-added course titled “INTERNET OF THINGS (IOT)” as per the syllabus and completed within the stipulated time duration.

I confirm that the value-added course titled “INTERNET OF THINGS (IOT)” has been conducted in the beginning of the semester and course delivery along with the attendance of the students was recorded.

I confirmed that all the students were actively participated in the course and the eligible students were certified for the course.

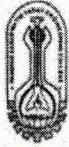

COURSE COORDINATOR


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Arasanoor, Thirumansolai P.O-630 561
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ASSESSMENT PROCEDURE



PANDIAN SARASWATHI YADAV ENGINEERING COLLEGE

(Approved by AICTE & Affiliated to Anna University, Chennai)

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

ASSESSMENT QUESTION WITH ANSWER

VACECE1920IOT- INTERNET OF THINGS (IOT)

1. What does the "Internet of Things" refer to?

- a) A network of interconnected computers
- b) A network of interconnected smart devices
- c) A network of interconnected satellites
- d) A network of interconnected vehicles

Answer: b) A network of interconnected smart devices

2. Which of the following is NOT a typical component of an IoT system?

- a) Sensors
- b) Actuators
- c) Power plants
- d) Microcontrollers

Answer: c) Power plants

3. Which wireless technology is commonly used for short-range communication between IoT devices?

- a) Bluetooth
- b) Wi-Fi
- c) NFC (Near Field Communication)
- d) Zigbee

Answer: a) Bluetooth

4. Which IoT application involves connecting household appliances and devices to the internet for remote monitoring and control?

- a) Smart home
- b) Smart city
- c) Industrial IoT

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d) Wearable technology

Answer: a) Smart home

5. What is the purpose of edge computing in IoT systems?

a) To process data on centralized servers

b) To analyze data at the device level

c) To enhance network security

d) To improve communication protocols

Answer: b) To analyze data at the device level

6. Which protocol is commonly used for communication between IoT devices and cloud platforms?

a) MQTT (Message Queuing Telemetry Transport)

b) HTTP (Hypertext Transfer Protocol)

c) TCP/IP (Transmission Control Protocol/Internet Protocol)

d) UDP (User Datagram Protocol)

Answer: a) MQTT (Message Queuing Telemetry Transport)

7. What is a potential privacy concern associated with the widespread adoption of IoT devices?

a) Unauthorized access to personal data

b) Interference with other wireless devices

c) Power consumption

d) Data encryption

Answer: a) Unauthorized access to personal data

8. Which industry is adopting IoT technology for predictive maintenance of machinery and equipment?

a) Agriculture

b) Retail

c) Healthcare

d) Manufacturing

Answer: d) Manufacturing

9. What is the term used to describe the practice of embedding computing devices into everyday objects to enable them to send and receive data?

a) Embedded systems

b) Cyber-physical systems

c) Internet-enabled devices

d) Machine-to-machine communication

Answer: a) Embedded systems

10. What are the potential environmental benefits of IoT technology?

a) Reduced energy consumption

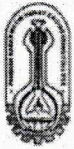
b) Optimized resource usage

c) Lower greenhouse gas emissions

d) All of the above

Answer: d) All of the above


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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

ASSESSMENT TEST PAPER

VACECE1920IOT- INTERNET OF THINGS (IOT)

REGISTER NO: 912016106004

NAME OF THE STUDENT: Bala Durga

YEAR/SEM: IV/VII

8
10

1. What does the "Internet of Things" refer to?

- a) A network of interconnected computers
- b) A network of interconnected smart devices
- c) A network of interconnected satellites
- d) A network of interconnected vehicles

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- b) Actuators
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- d) Microcontrollers

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- a) Bluetooth
- b) Wi-Fi
- c) NFC (Near Field Communication)
- d) Zigbee

4. Which IoT application involves connecting household appliances and devices to the internet for remote monitoring and control?

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a) Smart home

b) Smart city

c) Industrial IoT

d) Wearable technology

5. What is the purpose of edge computing in IoT systems?

a) To process data on centralized servers

b) To analyze data at the device level

c) To enhance network security

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a) Agriculture

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c) Healthcare

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- 1
- a) Embedded systems
 - b) Cyber-physical systems
 - c) Internet-enabled devices *
 - d) Machine-to-machine communication

10. What are the potential environmental benefits of IoT technology?

- a) Reduced energy consumption
- b) Optimized resource usage
- c) Lower greenhouse gas emissions
- d) All of the above

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Arasanoor, Thirumansolai P.O-630 561
Sivagangai Dist. Tamilnadu

Pandian Saraswathi yadav Engineering College, Arasanor - 630551
 Department of Electronics and Communication Engineering
 Student Performance Sheet

Academic Year : 2019-2020
 Course Code : VACEE1920101
 Course Name : INTERNET OF THINGS
 Duration of hours : 35
 Period of Course : 04.12.2019-08.12.2019

Assessment Marks			Marks
Sl. No	Register Number	Student Name	
1	912016106001	AJAY KUMAR	65
2	912016106002	AJITHA	94
3	912016106003	ALAGIMUTHUMARI	99
4	912016106004	BALA DURGA	89
5	912016106005	BHAWANIPARANI	92
6	912016106006	EBIN ROSE CHRISTINA	99
7	912016106007	ELAKKIYA	94
8	912016106008	KARTHIKA	85
9	912016106009	KARTHIKEYAN	74
10	912016106010	KISHORE	80
11	912016106012	MAHALAKSHMI	91
12	912016106013	MALLIKHA EASWARI	85
13	912016106014	MANOJ KANNAH	62
14	912016106015	MONISHA	60
15	912016106016	MUTHU SELVI	81
16	912016106017	NAGA SONDARI	80
17	912016106018	NANDHINI	79
18	912016106020	PRAVEENA	99
19	912016106023	SANKAPALINGAM	70
20	912016106026	SONAIPANDI	65
21	912016106029	VHAYALAKSHMI	89
22	912016106031	YAMINI	79
23	912016106501	THANUJA PARAMESWARI B.M	80
24	912016106701	DEVI UMA MAGASHWARI B	100
25	912016106901	RISHIKESH KRISHANA M	74


 Course coordinator


 HOD/ECE


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 Arasanor, Thirumansolai P.O-630 551
 Sivagangai Dist. Tamilnadu

Enrollment
Student Name
List

Pandian Saraswathi yadav Engineering College, Arasanoor -630561

Department of Electronics and Communication Engineering

Student Registration Sheet

Academic Year : 2019-2020

Course Code : VACECE1920IOT

Course Name : INTERNET OF THINGS

Duration of hours : 35

Period of Course : 04.12.2019-08.12.2019

Enrolled Students List			Signature
Sl. No	Register Number	Student Name	
1	912016106001	AJAY KUMAR	Ajay Kumar
2	912016106002	AJITHA	Ajitha
3	912016106003	ALAGUMUTHUMARI	Am
4	912016106004	BALA DURGA	Bala
5	912016106005	BHAVADHARANI	B.D.H
6	912016106006	EBIN ROSE CHRISTINA	Reu
7	912016106007	ELAKKIYA	Elakkiya
8	912016106008	KARTHIKA	Karta
9	912016106009	KARTHIKEYAN	Kart
10	912016106010	KISHORE	Kishore
11	912016106012	MAHALAKSHMI	Maha
12	912016106013	MALIKHAA EASWARI	Maha
13	912016106014	MANOJ KANNAN	Manoj
14	912016106015	MONISHA ✓	Monisha
15	912016106016	MUTHU SELVI	Muthu Selvi
16	912016106017	NAGA SOUNDERI	Naga
17	912016106018	NANDHINI ✓	Nandhini
18	912016106020	PRAVEENA	Praveena
19	912016106023	SANKARALINGAM	Sankaralingam
20	912016106026	SONAIPANDI	Sonaipandi
21	912016106029	VIJAYALAKSHMI	Vijayalakshmi
22	912016106031	YAMINI	Yamini
23	912016106501	THANUJA PARAMESWARI B.M	Thanuja
24	912016106701	DEVI UMA MAGASHWARI B	Uma
25	912016106901	RISHIKESH KRISHANA M	Rishikesh

Tea Break

FN- 11:00 am to 11:15am & AN-03:00 pm to 03:15 pm

Lunch Break

12:15 pm to 01:00pm

Chirupha
Course coordinator

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Sivagangal Dist. Tamilnadu

STUDENTS ATTENDANCE

Student Attendance Sheet

Academic Year : 2019-2020

Course Code : VACECE1920IOT

Course Name : INTERNET OF THINGS

Duration of hours : 35

Period of Course : 04.12.2019-08.12.2019

Attendance Sheet			Date: 4/12/19					
Sl. No	Register Number	Student Name	09.00 am - 10.00 am	10.00 am - 11.00 am	11.15 am - 12.15pm	01.00 pm - 02.00 pm	02.00 pm - 03.00 pm	03.15 pm - 04.15 pm
1	912016106001	AJAY KUMAR	Ajay	Ajay	Ajay	Ajay	Ajay	Ajay
2	912016106002	AJITTHA	Ajit	Ajit	Ajit	Ajit	Ajit	Ajit
3	912016106003	ALAGUMUTHUMARI	Ala	Ala	Ala	Ala	Ala	Ala
4	912016106004	BALA DURGA	Bala	Bala	Bala	Bala	Bala	Bala
5	912016106005	BHAVADHARANI	B.D	B.D	B.D	B.D	B.D	B.D
6	912016106006	EBIN ROSE CHRISTINA	E.R	E.R	E.R	E.R	E.R	E.R
7	912016106007	ELAKKIYA	Elak	Elak	Elak	Elak	Elak	Elak
8	912016106008	KARTHIKA	Kar	Kar	Kar	Kar	Kar	Kar
9	912016106009	KARTHIKEYAN	Kar	Kar	Kar	Kar	Kar	Kar
10	912016106010	KISHORE	Kish	Kish	Kish	Kish	Kish	Kish
11	912016106012	MAHALAKSHMI	Maha	Maha	Maha	Maha	Maha	Maha
12	912016106013	MALLIKHAA EASWARI	Malla	Malla	Malla	Malla	Malla	Malla
13	912016106014	MANOJ KANNAN	Mano	Mano	Mano	Mano	Mano	Mano
14	912016106015	MONISHA	Mon	Mon	Mon	Mon	Mon	Mon
15	912016106016	MUTHU SELVI	Sel	Sel	Sel	Sel	Sel	Sel
16	912016106017	NAGA SOUNDARI	Naga	Naga	Naga	Naga	Naga	Naga
17	912016106018	NANDHINI	Nand	Nand	Nand	Nand	Nand	Nand
18	912016106020	PRAVEENA	Prav	Prav	Prav	Prav	Prav	Prav
19	912016106023	SANKARALINGAM	Sank	Sank	Sank	Sank	Sank	Sank
20	912016106026	SONAIPANDI	Sona	Sona	Sona	Sona	Sona	Sona
21	912016106029	VIJAYALAKSHMI	Viji	Viji	Viji	Viji	Viji	Viji
22	912016106031	YAMINI	Yami	Yami	Yami	Yami	Yami	Yami
23	912016106501	THANUJA PARAMESWARI	AB	AB	AB	AB	AB	AB
24	912016106701	DEVI UMA MAGASHWARI	Vma	Vma	Vma	Vma	Vma	Vma
25	912016106901	RISHIKESH KRISHANA	Rish	Rish	Rish	Rish	Rish	Rish

Tea Break FN- 11:00 am to 11:15am & AN-03:00 pm to 03:15 pm

Lunch Break 12:15 pm to 01:00pm

Cheruph...
Course coordinator

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HOD/ECE

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ENGINEERING COLLEGE
Arasanoor, Thirumansolei P.O-630 561
Sivagangai Dist. Tamilnadu

Student Attendance Sheet

Academic Year : 2019-2020

Course Code : VACECE1920IOT

Course Name : INTERNET OF THINGS

Duration of hours : 35


Period of Course : 04.12.2019-08.12.2019

Attendance Sheet			Date: 5/12/19					
Sl. No	Register Number	Student Name	09.00 am - 10.00 am	10.00 am - 11.00 am	11.15 am - 12.15pm	01.00 pm - 02.00 pm	02.00 pm - 03.00 pm	03.15 pm - 04.15 pm
1	912016106001	AJAY KUMAR	Ajay	Ajay	Ajay	Ajay	Ajay	Ajay
2	912016106002	AJITHA	Ajitha	Ajitha	Ajitha	Ajitha	Ajitha	Ajitha
3	912016106003	ALAGUMUTHUMARI	Alagumuthumari	Alagumuthumari	Alagumuthumari	Alagumuthumari	Alagumuthumari	Alagumuthumari
4	912016106004	BALA DURGA	Bala	Bala	Bala	Bala	Bala	Bala
5	912016106005	BHAVADHARANI	Bhavadharani	Bhavadharani	Bhavadharani	Bhavadharani	Bhavadharani	Bhavadharani
6	912016106006	EBIN ROSE CHRISTINA	Ebin Rose Christina	Ebin Rose Christina	Ebin Rose Christina	Ebin Rose Christina	Ebin Rose Christina	Ebin Rose Christina
7	912016106007	ELAKKIYA	Elakkiya	Elakkiya	Elakkiya	Elakkiya	Elakkiya	Elakkiya
8	912016106008	KARTHIKA	Karthika	Karthika	Karthika	Karthika	Karthika	Karthika
9	912016106009	KARTHIKEYAN	Karthikeyan	Karthikeyan	Karthikeyan	Karthikeyan	Karthikeyan	Karthikeyan
10	912016106010	KISHORE	Kishore	Kishore	Kishore	Kishore	Kishore	Kishore
11	912016106012	MAHALAKSHMI	Mahalakshmi	Mahalakshmi	Mahalakshmi	Mahalakshmi	Mahalakshmi	Mahalakshmi
12	912016106013	MALLIKHAA EASWARI	Mallikhaa Easwari	Mallikhaa Easwari	Mallikhaa Easwari	Mallikhaa Easwari	Mallikhaa Easwari	Mallikhaa Easwari
13	912016106014	MANOJ KANNAN	Manoj Kannan	Manoj Kannan	Manoj Kannan	Manoj Kannan	Manoj Kannan	Manoj Kannan
14	912016106015	MONISHA	Monisha	Monisha	Monisha	Monisha	Monisha	Monisha
15	912016106016	MUTHU SELVI	Muthu Selvi	Muthu Selvi	Muthu Selvi	Muthu Selvi	Muthu Selvi	Muthu Selvi
16	912016106017	NAGA SOUNDARI	Naga Soundari	Naga Soundari	Naga Soundari	Naga Soundari	Naga Soundari	Naga Soundari
17	912016106018	NANDHINI	Nandhini	Nandhini	Nandhini	Nandhini	Nandhini	Nandhini
18	912016106020	PRAVEENA	Praveena	Praveena	Praveena	Praveena	Praveena	Praveena
19	912016106023	SANKARALINGAM	Sankaralingam	Sankaralingam	Sankaralingam	Sankaralingam	Sankaralingam	Sankaralingam
20	912016106026	SONAIPANDI	Sonaipandi	Sonaipandi	Sonaipandi	Sonaipandi	Sonaipandi	Sonaipandi
21	912016106029	VIJAYALAKSHMI	Vijayalakshmi	Vijayalakshmi	Vijayalakshmi	Vijayalakshmi	Vijayalakshmi	Vijayalakshmi
22	912016106031	YAMINI	Yamini	Yamini	Yamini	Yamini	Yamini	Yamini
23	912016106501	THANUJA PARAMESWARI	Thanuja Parameswari	Thanuja Parameswari	Thanuja Parameswari	Thanuja Parameswari	Thanuja Parameswari	Thanuja Parameswari
24	912016106701	DEVI UMA MAGASHWARI	Devi Uma Magashwari	Devi Uma Magashwari	Devi Uma Magashwari	Devi Uma Magashwari	Devi Uma Magashwari	Devi Uma Magashwari
25	912016106901	RISHIKESH KRISHANA	Rishikesh Krishana	Rishikesh Krishana	Rishikesh Krishana	Rishikesh Krishana	Rishikesh Krishana	Rishikesh Krishana

Tea Break FN- 11:00 am to 11:15am & AN-03:00 pm to 03:15 pm
 Lunch Break 12:15 pm to 01:00pm

Christyph
 Course coordinator

R. Pr
 HOD/ECE


PRINCIPAL
 PANDIAN SARASWATHI YADAV
 ENGINEERING COLLEGE
 Arasanoor, Thirumansolai P.O-630 561
 Sivagangai Dist. Tamilnadu

Pandian Saraswathi yadav Engineering College, Arasanoor -630561
Department of Electronics and Communication Engineering

Student Attendance Sheet

Academic Year : 2019-2020
 Course Code : VACECE1920IOT
 Course Name : INTERNET OF THINGS
 Duration of hours : 35
 Period of Course : 04.12.2019-08.12.2019

Attendance Sheet			Date: 6/12/19					
Sl. No	Register Number	Student Name	09.00 am - 10.00 am	10.00 am - 11.00 am	11.15 am - 12.15pm	01.00 pm - 02.00 pm	02.00 pm - 03.00 pm	03.15 pm - 04.15 pm
1	912016106001	AJAY KUMAR	Ajay	Ajay	Ajay	Ajay	Ajay	Ajay
2	912016106002	AJITHA	Ajitha	Ajitha	Ajitha	Ajitha	Ajitha	Ajitha
3	912016106003	ALAGUMUTHUMARI	Ala	Ala	Ala	Ala	Ala	Ala
4	912016106004	BALA DURGA	Bala	Bala	Bala	Bala	Bala	Bala
5	912016106005	BHAVADHARANI	B.Dh	B.Dh	B.Dh	B.Dh	B.Dh	B.Dh
6	912016106006	EBIN ROSE CHRISTINA	Ebin	Ebin	Ebin	Ebin	Ebin	Ebin
7	912016106007	ELAKKIYA	Elak	Elak	Elak	Elak	Elak	Elak
8	912016106008	KARTHIKA	Karthika	Karthika	Karthika	Karthika	Karthika	Karthika
9	912016106009	KARTHIKEYAN	Karthi	Karthi	Karthi	Karthi	Karthi	Karthi
10	912016106010	KISHORE	Kishore	Kishore	Kishore	Kishore	Kishore	Kishore
11	912016106012	MAHALAKSHMI	Maha	Maha	Maha	Maha	Maha	Maha
12	912016106013	MALLIKHAA EASWARI	Malla	Malla	Malla	Malla	Malla	Malla
13	912016106014	MANOJ KANNAN	Manoj	Manoj	Manoj	Manoj	Manoj	Manoj
14	912016106015	MONISHA	Monisha	Monisha	Monisha	Monisha	Monisha	Monisha
15	912016106016	MUTHU SELVI	Muthu	Muthu	Muthu	Muthu	Muthu	Muthu
16	912016106017	NAGA SOUNDARI	Naga	Naga	Naga	Naga	Naga	Naga
17	912016106018	NANDHINI	Nandhini	Nandhini	Nandhini	Nandhini	Nandhini	Nandhini
18	912016106020	PRAVEENA	Praveena	Praveena	Praveena	Praveena	Praveena	Praveena
19	912016106023	SANKARALINGAM	Sankar	Sankar	Sankar	Sankar	Sankar	Sankar
20	912016106026	SONAIPANDI	Sona	Sona	Sona	Sona	Sona	Sona
21	912016106029	VIJAYALAKSHMI	Viji	Viji	Viji	Viji	Viji	Viji
22	912016106031	YAMINI	Yamini	Yamini	Yamini	Yamini	Yamini	Yamini
23	912016106501	THANUJA PARAMESWARI	Thanuja	Thanuja	Thanuja	Thanuja	Thanuja	Thanuja
24	912016106701	DEVI UMA MAGASHWARI	Uma	Uma	Uma	Uma	Uma	Uma
25	912016106901	RISHIKESH KRISHANA	Rishikesh	Rishikesh	Rishikesh	Rishikesh	Rishikesh	Rishikesh

Tea Break FN- 11:00 am to 11:15am & AN-03:00 pm to 03:15 pm
 Lunch Break 12:15 pm to 01:00pm

Chandrasekhar
 Course coordinator

R. Per...
 HOD/ECE

Pr...
 PRINCIPAL

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2	912016106002	AJITHA	Ajitha	Ajitha	Ajitha	Ajitha	Ajitha	Ajitha
3	912016106003	ALAGUMUTHUMARI	Ala	Ala	Ala	Ala	Ala	Ala
4	912016106004	BALA DURGA	Bala	Bala	Bala	Bala	Bala	Bala
5	912016106005	BHAVADHARANI	Bhav	Bhav	Bhav	Bhav	Bhav	Bhav
6	912016106006	EBIN ROSE CHRISTINA	Ebin	Ebin	Ebin	Ebin	Ebin	Ebin
7	912016106007	ELAKKIYA	Elak	Elak	Elak	Elak	Elak	Elak
8	912016106008	KARTHIKA	Karth	Karth	Karth	Karth	Karth	Karth
9	912016106009	KARTHIKEYAN	Karth	Karth	Karth	Karth	Karth	Karth
10	912016106010	KISHORE	Kish	Kish	Kish	Kish	Kish	Kish
11	912016106012	MAHALAKSHMI	Maha	Maha	Maha	Maha	Maha	Maha
12	912016106013	MALLIKHAA EASWARI	Malli	Malli	Malli	Malli	Malli	Malli
13	912016106014	MANOJ KANNAN	Mano	Mano	Mano	Mano	Mano	Mano
14	912016106015	MONISHA	Moni	Moni	Moni	Moni	Moni	Moni
15	912016106016	MUTHU SELVI	Muth	Muth	Muth	Muth	Muth	Muth
16	912016106017	NAGA SOUNDARI	Naga	Naga	Naga	Naga	Naga	Naga
17	912016106018	NANDHINI	Nand	Nand	Nand	Nand	Nand	Nand
18	912016106020	PRAVEENA	Prave	Prave	Prave	Prave	Prave	Prave
19	912016106023	SANKARALINGAM	Sank	Sank	Sank	Sank	Sank	Sank
20	912016106026	SONAIPANDI	Sona	Sona	Sona	Sona	Sona	Sona
21	912016106029	VIJAYALAKSHMI	Viji	Viji	Viji	Viji	Viji	Viji
22	912016106031	YAMINI	Yami	Yami	Yami	Yami	Yami	Yami
23	912016106501	THANUJA PARAMESWARI	Than	Than	Than	Than	Than	Than
24	912016106701	DEVI UMA MAGASHWARI	Uma	Uma	Uma	Uma	Uma	Uma
25	912016106901	RISHIKESH KRISHANA	Rishi	Rishi	Rishi	Rishi	Rishi	Rishi

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Christoph
Course coordinator

R. P. ...
HOD/ECE

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4	912016106004	BALA DURGA	Bala	Bala	Bala	Bala	Bala	Bala
5	912016106005	BHAVADHARANI	Bha	Bha	Bha	Bha	Bha	Bha
6	912016106006	EBIN ROSE CHRISTINA	Ebin	Ebin	Ebin	Ebin	Ebin	Ebin
7	912016106007	ELAKKIYA	Elak	Elak	Elak	Elak	Elak	Elak
8	912016106008	KARTHIKA	Kar	Kar	Kar	Kar	Kar	Kar
9	912016106009	KARTHIKEYAN	Kar	Kar	Kar	Kar	Kar	Kar
10	912016106010	KISHORE	Kish	Kish	Kish	Kish	Kish	Kish
11	912016106012	MAHALAKSHMI	Maha	Maha	Maha	Maha	Maha	Maha
12	912016106013	MALLIKHAA EASWARI	Mall	Mall	Mall	Mall	Mall	Mall
13	912016106014	MANOJ KANNAN	Mano	Mano	Mano	Mano	Mano	Mano
14	912016106015	MONISHA	Moni	Moni	Moni	Moni	Moni	Moni
15	912016106016	MUTHU SELVI	Sel	Sel	Sel	Sel	Sel	Sel
16	912016106017	NAGA SOUNDARI	Naga	Naga	Naga	Naga	Naga	Naga
17	912016106018	NANDHINI	Nand	Nand	Nand	Nand	Nand	Nand
18	912016106020	PRAVEENA	Prav	Prav	Prav	Prav	Prav	Prav
19	912016106023	SANKARALINGAM	Sank	Sank	Sank	Sank	Sank	Sank
20	912016106026	SONAIPANDI	Sona	Sona	Sona	Sona	Sona	Sona
21	912016106029	VIJAYALAKSHMI	Viji	Viji	Viji	Viji	Viji	Viji
22	912016106031	YAMINI	Yami	Yami	Yami	Yami	Yami	Yami
23	912016106501	THANUJA PARAMESWARI	Than	Than	Than	Than	Than	Than
24	912016106701	DEVI UMA MAGASHWARI	Uma	Uma	Uma	Uma	Uma	Uma
25	912016106901	RISHIKESH KRISHANA	Rish	Rish	Rish	Rish	Rish	Rish

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Chishyphr
Course coordinator

R. Periyasami
HOD/ECE

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Sivagangal Dist. Tamilnadu

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CERTIFICATES

Pandian Saraswathi Yadav Engineering College

Arasanoor, Sivagangai - Madurai Highway, TamilNadu-630561

Organised by


Department of Electronics and Communication Engineering

CERTIFICATE OF COMPLETION


This certificate is proudly awarded to

KARTHIKA

Has Successfully completed the Value Added Cerified course on
IINTERNET OF THINGS During **04.12.2019 to 08.12.2019**


MRS R.RAJALAKSHMI
HOD/ECE




DR R.RAJA
PRINCIPAL
PRINCIPAL
PANDIAN SARASWATHI YADAV
ENGINEERING COLLEGE
Arasanoor, Thirumansolai P.O-630 561
Sivagangai Dist. Tamil Nadu

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Pandian Saraswathi Yadav Engineering College

Arasanoor, Sivagangai - Madurai Highway, TamilNadu-630561

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Department of Electronics and Communication Engineering

CERTIFICATE OF COMPLETION


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ALAGUMUTHUMARI

Has Successfully completed the Value Added Certified course on
IIINTERNET OF THINGS During 04.12.2019 to 08.12.2019


MRS R. RAJALAKSHMI
HOD/ECE




DR R. RAJA
PRINCIPAL
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PANDIAN SARASWATHI YADAV
ENGINEERING COLLEGE
Arasanoor, Thirumangalakudi P.O-630 561
Sivagangai - Tamil Nadu

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Pandian Saraswathi Yadav Engineering College

Arasanoor, Sivagangai - Madurai Highway, TamilNadu-630561

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Department of Electronics and Communication Engineering

CERTIFICATE OF COMPLETION

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AJAY KUMAR.R

Has Successfully completed the Value Added Cerified course on
IIINTERNET OF THINGS During **04.12.2019 to 08.12.2019**


MRS R.RAJALAKSHMI
AP/ECE




DR R.RAJA
PRINCIPAL

PRINCIPAL
PANDIAN SARASWATHI YADAV
ENGINEERING COLLEGE

Arasanoor, Sivagangai - Madurai Highway, TamilNadu-630561

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