

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, 7373002628 Email info@psyec.edu.in Website : www.psyec.edu.in

City Office : 10, Pandian Saraswathi St, Sivagami Nagar, Narayanapuram, Madurai - 625 014. Telefax- 0452 2682339, Mobile : 98423-02628

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING


COURSE SYLLABUS


VACECE2021ABD -ARDUNIO BOARD AND DESIGN

CHAPTER-1	Introduction to Arduino	7
Basics - Getting started with Arduino, Introduction to Arduino, Setup your computer to use Arduino, Understanding electronics elements, Resistors, capacitors, transistors, relays etc.		
CHAPTER-2	LED	7
LEDs- Blinking of LEDs, Fading of LED, Circling of LEDs. (FOR loop), Blinking of EVEN and ODD*states of LEDs; LED dice; Traffic light system, And many more projects Serial monitoring - Controlling of LEDs from your computer, Reading analog and digital inputs. Digital inputs - Controlling LED using push button, Switching ON a relay		
CHAPTER-3	LCD & PWM	7
Analog inputs - Controlling of LEDs using a joystick, Controlling a DC motor, PWM, Changing the brightness of LEDs using potentiometers LCD displays- Wiring of LCD screen with Arduino, Displaying a message in LCD screen, Screen navigation on LCD, Turn ON a LED by entering the password		
CHAPTER-4	Functions Of LED	7
Knowing the status of the LED, Scrolling of text, Displaying room temperature using LM 35 temperature sensor. Seven segment display - Simple automatic countdown and count up (FOR loop)		
CHAPTER-5	Servo Motors	7
Increment or decrements a number by using push button Servo motors - Controlling Servo Motor with Joystick, Indexing of Servo motor Direction control of Servo Motor, Servo Motor based Projects, Synchronizing 2 Servo Motors – Remote control light switch.		

TOTAL:35Hrs


COURSE COORDINATOR


HOD / ECE


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



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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

COURSE SHEDULE

VACECE2021ABD -ARDUNIO BOARD AND DESIGN

DATE	TIME	SYLLABUS
03.12.2020	9.30AM TO 1.00PM	Basics - Getting started with Arduino, Introduction to Arduino, Setup your computer to use Arduino, Understanding electronics elements, Resistors, capacitors, transistors, relays etc. LEDs- Blinking of LEDs, Fading of LED, Circling of LEDs. (FOR loop),
	2.00PM TO 5.00PM	
04.12.2020	9.30AM TO 1.00PM	Blinking of EVEN and ODD states of LEDs, LED dice, Traffic light system, And many more projects Serial monitoring - Controlling of LEDs from your computer, Reading analog and digital inputs.
	200PM TO 5.00PM	
05.12.2020	9.30AM TO 1.00PM	Digital inputs - Controlling LED using push button, Switching ON relay Analog inputs - Controlling of LEDs using joystick, Controlling a DC motor, PWM, Changing th brightness of LEDs using potentiometers.
	200PM TO 5.00PM	
06.12.2020	9.30AM TO 1.00PM	LCD displays- Wiring of LCD screen with Arduino, Displaying a message in LCD screen, Screen navigation on LCD, Turn ON a LED by entering the password, Knowing the status of the LED, Scrolling of text, Displaying room temperature using LM 35 temperature sensor.
	200PM TO 5.00PM	
07.12.2020	9.30AM TO 1.00PM	Seven segment display - Simple automatic countdown and count up (FOR loop) Increment or decrements a number by using push button Servo motors - Controlling Servo Motor with Joystick, Indexing Of Servo motor Direction control of Servo Motor, Servo Motor based Projects, Synchronizing 2 Servo Motors - Remote control light switch.
	200PM TO 5.00PM	

Tea Break: 10:40 am to 10:55am & 02:45 pm to 15:00 pm

TOTAL: 35hrs

Lunch Break: 12:30pm to 01:00pm

T. P. S. S.
COURSE COORDINATOR

R. P. S.
HOD /ECE

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



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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Academic Year 2020– 2021

One page Report

Name of the course : **ARDUNIO BOARD AND DESIGN**

Development Course Code : VACECE2021ABD

Resource Person : Dr R.Raja ASP/ECE - PSYEC

Course Coordinator : MS T.PAVITHRA AP/ECE

Date/Duration : 03.12.2020-07,12.2020— 32 hours

I here affirm that the Final-year students of strength 29 have been taught the value-added course title “ARDUNIO BOARD AND DESIGN” as per the syllabus and completed within the stipulated time duration.

I confirm that the value-added course titled “ARDUNIO BOARD AND DESIGN” 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


HOD/ECE


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

ASSESSMENT PROCEDURE



PANDIAN SARASWATHI YADAV ENGINEERING COLLEGE

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

VACECE2021ABD-ARDUNIO BOARD AND DESIGN

ASSESSMENT QUESTION WITH ANSWER

1. What does the term "Arduino" typically refer to in the context of electronics?

- a) A type of microcontroller
- b) A brand of soldering iron
- c) An open-source electronics platform
- d) A type of breadboard

2. Which of the following is NOT a commonly used Arduino board?

- a) Arduino Uno
- b) Arduino Nano
- c) Arduino Mini
- d) Arduino Mega

3. What is the main difference between Arduino Uno and Arduino Mega boards?

- a) Uno has more digital pins than Mega.
- b) Mega has more analog pins than Uno.
- c) Uno has built-in Wi-Fi capability.
- d) Mega has a smaller form factor than Uno.

4. Which Arduino board is often used in projects where space is limited, such as wearables or small robots?

- a) Arduino Uno
- b) Arduino Nano
- c) Arduino Mega
- d) Arduino Pro Mini

5. What is the purpose of the "Vin" pin on Arduino boards?

- a) It provides regulated 5V output.
- b) It is used to upload sketches to the board.
- c) It is used to power the board with an external power source.

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d) It is a digital input pin.

6. What is the function of the "TX" and "RX" pins on an Arduino board?

- a) Transmit and Receive data over serial communication
- b) Provide PWM (Pulse Width Modulation) output
- c) Control external interrupts
- d) Connect to external power sources

7. Which programming language is primarily used to write code for Arduino boards?

- a) Python
- b) C++
- c) Java
- d) JavaScript

8. What is the maximum voltage that can be safely applied to the digital input pins of an Arduino board?

- a) 3.3V
- b) 5V
- c) 9V
- d) 12V

9. Which component of an Arduino board is responsible for regulating voltage and protecting the board from over-voltage?

- a) Voltage Regulator
- b) Microcontroller
- c) USB-to-Serial Converter
- d) Analog-to-Digital Converter (ADC)


10. What is the bootloader on an Arduino board?

- a) A small program that runs when the board is powered on or reset, enabling it to receive sketches over USB
- b) A safety feature that prevents the board from overheating
- c) A physical switch to toggle between different operational modes
- d) A type of sensor used to detect motion

Answers:

- c) An open-source electronics platform
- b) Arduino Nano

- b) Mega has more analog pins than Uno.
- b) Arduino Nano
- c) It is used to power the board with an external power source.
- a) Transmit and Receive data over serial communication
- b) C++
- b) 5V
- a) Voltage Regulator
- a) A small program that runs when the board is powered on or reset, enabling it to receive sketches over USB


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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

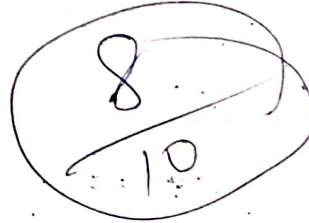
VACECE2021ABD-ARDUNIO BOARD AND DESIGN

ASSESSMENT TEST PAPER

REGISTER NO: 912d7106002

NAME OF THE STUDENT: Balaji

YEAR/SEM: IV/VII



1. What does the term "Arduino" typically refer to in the context of electronics?
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- a) It provides regulated 5V output.
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- c) It is used to power the board with an external power source.
- d) It is a digital input pin.

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- d) A type of sensor used to detect motion

Pandian Saraswathi yadav Engineering College, Arasanoor -630561

Department of Electronics and Communication Engineering

Student Performance Sheet

Academic Year : 2020-2021

Course Code : VACECE2021ABD

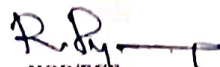
Course Name : ARDUINO BOARD AND DESIGN


Duration of hours : 35

Period of Course : 03.12.2020-07.12.2020

Assessment Marks			Marks
Sl. No	Register Number	Student Name	
1	912017106001	AJAY	65
2	912017106002	BALAJI	79
3	912017106003	BALA VASANTH	70
4	912017106004	BIHUVANESHWARI	80
5	912017106005	DIIVAKAR	60
6	912017106006	DURAI MURUGAN	76
7	912017106008	KANAGAVALLI	98
8	912017106009	KARUPPUSAMY	99
9	912017106010	KAVITHA	89
10	912017106011	MANISHA	73
11	912017106012	MOORTHY	62
12	912017106013	NANDHEESWARAN	82
13	912017106014	NANDHINI	79
14	912017106015	PANDEESWARI	84
15	912017106017	PAUL RAJ	82
16	912017106018	RAGATHARSHINI	89
17	912017106019	RAMA CHANDRA PRAKASHI	73
18	912017106020	ROOPA	100
19	912017106021	SHARAN MUKESH	78
20	912017106022	SINDHANAI SELVI	81
21	912017106023	SIVASATHYA	80
22	912017106024	SUJITHA	79
23	912017106025	SUNDARESHWAR	66
24	912017106026	SURIYAPRABHA	83
25	912017106027	SUSITHRA	82
26	912017106028	VISHNU PRIYA	79
27	912017106029	YUVA RANI	80
28	912017106301	KALAISELVI P	99
29	912017106701	VAITHEESWARI	89


Course coordinator


HOD/ECE


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

STUDENTS ATTENDANCE

Pandian Saraswathi yadav Engineering College, Arasanoor -630561

Department of Electronics and Communication Engineering

Student Registration Sheet

Academic Year : 2020-2021

Course Code : VACECE2021ABD

Course Name : ARDUINO BOARD AND DESIGN


Duration of hours : 35

Period of Course : 03.12.2020-07.12.2020

Enrolled Students List			
Sl. No	Register Number	Student Name	Signature
1	912017106001	AJAY	Ajay
2	912017106002	BALAJI	Balaji
3	912017106003	BALA VASANTH	Bala
4	912017106004	BHUVANESHWARI	Bhuvaneshwari
5	912017106005	DHIVAKAR	Dhivakar
6	912017106006	DURAI MURUGAN	Durai Murugan
7	912017106008	KANAGAVALLI	Kanagavalli
8	912017106009	KARUPPUSAMY	Karuppusamy
9	912017106010	KAVITHA	Kavitha
10	912017106011	MANISHA	Manisha
11	912017106012	MOORTHY	Moorthy
12	912017106013	NANDHEESWARAN	Nandheeswaran
13	912017106014	NANDHINI	Nandhini
14	912017106015	PANDEESWARI	Pandeeswari
15	912017106017	PAUL RAJ	Paulraj
16	912017106018	RAGATHARSHINI	Ragatharshini
17	912017106019	RAMA CHANDRA PRAKASH	Rama chand
18	912017106020	ROOPA	Roopa
19	912017106021	SHARAN MUKESH	Sharan mu
20	912017106022	SINDHANAI SELVI	Sindhani Selvi
21	912017106023	SIVASATHYA	Sivasathya
22	912017106024	SUJITHA	Sujitha
23	912017106025	SUNDARESHWAR	Sundareswar
24	912017106026	SURIYAPRABHA	Suriyaprabha
25	912017106027	SUSITHRA	Susithra
26	912017106028	VISHNU PRIYA	Vishnu Priya
27	912017106029	YUVA RANI	Yuvarani
28	912017106301	KALAISELVI P	Kalaiselvi
29	912017106701	VAITHEESWARI	Vaitheeswari


Course coordinator


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Enrollment
Student Name
List

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

Student Attendance Sheet

Academic Year : 2020-2021
Course Code : VACECE2021ABD
Course Name : ARDUINO BOARD AND DESIGN
Duration of hours : 35
Period of Course : 03.12.2020-07.12.2020

Attendance Sheet			Date: 3/12/20					
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	912017106001	AJAY	P	P	P	P	P	P
2	912017106002	BALAJI	P	P	P	P	P	P
3	912017106003	BALA VASANTH	P	P	P	P	P	P
4	912017106004	BHUVANESHWARI	P	P	P	P	P	P
5	912017106005	DHIVAKAR	P	P	P	P	P	P
6	912017106006	DURAI MURUGAN	P	P	P	P	P	P
7	912017106008	KANAGAVALLI	P	P	P	P	P	P
8	912017106009	KARUPPUSAMY	P	P	P	P	P	P
9	912017106010	KAVITHA	P	P	P	P	P	P
10	912017106011	MANISHA	P	P	P	P	P	P
11	912017106012	MOORTHY,	A	A	A	A	A	A
12	912017106013	NANDHEESWARAN	P	P	P	P	P	P
13	912017106014	NANDHINI	P	P	P	P	P	P
14	912017106015	PANDEESWARI	P	P	P	P	P	P
15	912017106017	PAUL RAJ	P	P	P	P	P	P
16	912017106018	RAGATHARSHINI	P	P	P	P	P	P
17	912017106019	PRAKASH	P	P	P	P	P	P
18	912017106020	ROOPA	P	P	P	P	P	P
19	912017106021	SHARAN MUKESH	P	P	P	P	P	P
20	912017106022	SINDHANAI SELVI	P	P	P	P	P	P
21	912017106023	SIVASATHYA	P	P	P	P	P	P
22	912017106024	SUJITHA	P	P	P	P	P	P
23	912017106025	SUNDARESHWAR	P	P	P	P	P	P
24	912017106026	SURIYAPRABHA	P	P	P	P	P	P
25	912017106027	SUSITHRA	P	P	P	P	P	P
26	912017106028	VISHNU PRIYA	P	P	P	P	P	P
27	912017106029	YUVA RANI	P	P	P	P	P	P
28	912017106301	KALAISELVI P	P	P	P	P	P	P
29	912017106701	VAITHEESWARI	P	P	P	P	P	P

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

T. P. ...
Course coordinator

R. ...
HOD/ECE

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

Student Attendance Sheet

Academic Year : 2020-2021
 Course Code : VACECE2021ABD
 Course Name : ARDUINO BOARD AND DESIGN
 Duration of hours : 35
 Period of Course : 03.12.2020-07.12.2020

Attendance Sheet			Date: 7/12/20					
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	912017106001	AJAY	P	P	P	P	P	P
2	912017106002	BALAJI	P	P	P	P	P	P
3	912017106003	BALA VASANTH	P	P	P	P	P	P
4	912017106004	BHUVANESHWARI	P	P	P	P	P	P
5	912017106005	DHIVAKAR	P	P	P	P	P	P
6	912017106006	DURAI MURUGAN	P	P	P	P	P	P
7	912017106008	KANAGAVALLI	P	P	P	P	P	P
8	912017106009	KARUPPUSAMY	P	P	P	P	P	P
9	912017106010	KAVITHA	P	P	P	P	P	P
10	912017106011	MANISHA	P	P	P	P	P	P
11	912017106012	MOORTHY	P	P	P	P	P	P
12	912017106013	NANDHEESWARAN	P	P	P	P	P	P
13	912017106014	NANDHINI	P	P	P	P	P	P
14	912017106015	PANDEESWARI	P	P	P	P	P	P
15	912017106017	PAUL RAJ	P	P	P	P	P	P
16	912017106018	RAGATHARSHINI	P	P	P	P	P	P
17	912017106019	PRAKASH	P	P	P	P	P	P
18	912017106020	ROOPA	P	P	P	P	P	P
19	912017106021	SHARAN MUKESH	P	P	P	P	P	P
20	912017106022	SINDHANAI SELVI	P	P	P	P	P	P
21	912017106023	SIVASATHYA	P	P	P	P	P	P
22	912017106024	SUJITHA	P	P	P	P	P	P
23	912017106025	SUNDARESHWAR	P	P	P	P	P	P
24	912017106026	SURIYAPRABHA	P	P	P	P	P	P
25	912017106027	SUSITHRA	P	P	P	P	P	P
26	912017106028	VISHNU PRIYA	P	P	P	P	P	P
27	912017106029	YUVA RANI	P	P	P	P	P	P
28	912017106301	KALAISELVI P	P	P	P	P	P	P
29	912017106701	VAITHEESWARI	P	P	P	P	P	P

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

T. P. ...
 Course coordinator

R. P. ...
 HOD/ECE

[Signature]
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PANDIAN SARASWATHI YADAV
ENGINEERING COLLEGE
 Arasanoor, Thirumansolai P.O-630 551
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Pandian Saraswathi yadav Engineering College, Arasanoor -630561
Department of Electronics and Communication Engineering

Student Attendance Sheet

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2	912017106002	BALAJI	P	P	P	P	P	P
3	912017106003	BALA VASANTH	P	P	P	P	P	P
4	912017106004	BHUVANESHWARI	P	P	P	P	P	P
5	912017106005	DHIVAKAR	P	P	P	P	P	P
6	912017106006	DURAI MURUGAN	P	P	P	P	P	P
7	912017106008	KANAGAVALLI	P	P	P	P	P	P
8	912017106009	KARUPPUSAMY	P	P	P	P	P	P
9	912017106010	KAVITHA	P	P	P	P	P	P
10	912017106011	MANISHA	P	P	P	P	P	P
11	912017106012	MOORTHY	P	P	P	P	P	P
12	912017106013	NANDHEESWARAN	P	P	P	P	P	P
13	912017106014	NANDHINI	P	P	P	P	P	P
14	912017106015	PANDEESWARI	P	P	P	P	P	P
15	912017106017	PAUL RAJ	P	P	P	P	P	P
16	912017106018	RAGATHARSHINI	P	P	P	P	P	P
17	912017106019	PRAKASH	P	P	P	P	P	P
18	912017106020	ROOPA	P	P	P	P	P	P
19	912017106021	SHARAN MUKESH	P	P	P	P	P	P
20	912017106022	SINDHANAI SELVI	P	P	P	P	P	P
21	912017106023	SIVASATHYA	P	P	P	P	P	P
22	912017106024	SUJITHA	P	P	P	P	P	P
23	912017106025	SUNDARESHWAR	P	P	P	P	P	P
24	912017106026	SURIYAPRABHA	P	P	P	P	P	P
25	912017106027	SUSITHRA	P	P	P	P	P	P
26	912017106028	VISHNU PRIYA	P	P	P	P	P	P
27	912017106029	YUVA RANI	P	P	P	P	P	P
28	912017106301	KALAI SELVI P	P	P	P	P	P	P
29	912017106701	VATHEESWARI	P	P	P	P	P	P

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


Course coordinator


HOD/ECE


PRINCIPAL

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PANDIAN SARASWATHI YADAV
ENGINEERING COLLEGE
Arasanoor, Thiruvananthapuram P.O.-630 561

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

Academic Year : 2020-2021
 Course Code : VACECE2021ABD
 Course Name : ARDUINO BOARD AND DESIGN
 Duration of hours : 35
 Period of Course : 03.12.2020-07.12.2020

Attendance Sheet			Date: 5/12/20					
Sl. No	Register Number	Student Name	09.00 am - 10.00 am	10.00 am - 11.00 am	11.15 am - 12.15 pm	01.00 pm - 02.00 pm	02.00 pm - 03.00 pm	03.15 pm - 04.15 pm
1	912017106001	AJAY	P	P	P	P	P	P
2	912017106002	BALAJI	P	P	P	P	P	P
3	912017106003	BALA VASANTH	P	P	P	P	P	P
4	912017106004	BHUVANESHWARI	P	P	P	P	P	P
5	912017106005	DHIVAKAR	P	P	P	P	P	P
6	912017106006	DURAI MURUGAN	P	P	P	P	P	P
7	912017106008	KANAGAVALLI	P	P	P	P	P	P
8	912017106009	KARUPPUSAMY	P	P	P	P	P	P
9	912017106010	KAVITHA	P	P	P	P	P	P
10	912017106011	MANISHA	P	P	P	P	P	P
11	912017106012	MOORTHY	P	P	P	P	P	P
12	912017106013	NANDHEESWARAN	P	P	P	P	P	P
13	912017106014	NANDHINI	P	P	P	P	P	P
14	912017106015	PANDEESWARI	P	P	P	P	P	P
15	912017106017	PAUL RAJ	P	P	P	P	P	P
16	912017106018	RAGATHARSHINI	P	P	P	P	P	P
17	912017106019	PRAKASH	P	P	P	P	P	P
18	912017106020	ROOPA	P	P	P	P	P	P
19	912017106021	SHARAN MUKESH	P	P	P	P	P	P
20	912017106022	SINDHANAI SELVI	P	P	P	P	P	P
21	912017106023	SIVASATHYA	P	P	P	P	P	P
22	912017106024	SUJITHA	P	P	P	P	P	P
23	912017106025	SUNDARESHWAR	P	P	P	P	P	P
24	912017106026	SURIYAPRABHA	P	P	P	P	P	P
25	912017106027	SUSITHRA	P	P	P	P	P	P
26	912017106028	VISHNU PRIYA	P	P	P	P	P	P
27	912017106029	YUVA RANI	P	P	P	P	P	P
28	912017106301	KALAISELVI P	P	P	P	P	P	P
29	912017106701	VAITHEESWARI	P	P	P	P	P	P

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

T. Parthiban
 Course coordinator

R. P. ...
 HOD/ECE

[Signature]
 PRINCIPAL

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

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

Student Attendance Sheet

Academic Year : 2020-2021
Course Code : VACECE2021ABD
Course Name : ARDUINO BOARD AND DESIGN
Duration of hours : 35
Period of Course : 03.12.2020-07.12.2020

Attendance Sheet			Date: 4/12/20					
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	912017106001	AJAY	P	P	P	P	P	P
2	912017106002	BALAJI	P	P	P	P	P	P
3	912017106003	BALA VASANTH	P	P	P	P	P	P
4	912017106004	BHUVANESHWARI	P	P	P	P	P	P
5	912017106005	DHIVAKAR	P	P	P	P	P	P
6	912017106006	DURAI MURUGAN	P	P	P	P	P	P
7	912017106008	KANAGAVALLI	P	P	P	P	P	P
8	912017106009	KARUPPUSAMY	P	P	P	P	P	P
9	912017106010	KAVITHA	P	P	P	P	P	P
10	912017106011	MANISHA	P	P	P	P	P	P
11	912017106012	MOORTHY	P	P	P	P	P	P
12	912017106013	NANDHEESWARAN	P	P	P	P	P	P
13	912017106014	NANDHINI	P	P	P	P	P	P
14	912017106015	PANDEESWARI	P	P	P	P	P	P
15	912017106017	PAUL RAJ	P	P	P	P	P	P
16	912017106018	RAGATHARSHINI	P	P	P	P	P	P
17	912017106019	PRAKASH	P	P	P	P	P	P
18	912017106020	ROOPA	P	P	P	P	P	P
19	912017106021	SHARAN MUKESH	P	P	P	P	P	P
20	912017106022	SINDHANAI SELVI	P	P	P	P	P	P
21	912017106023	SIVASATHYA	A	A	A	A	A	A
22	912017106024	SUJITHA	P	P	P	P	P	P
23	912017106025	SUNDARESHWAR	A	A	A	A	A	A
24	912017106026	SURIYAPRABHA	P	P	P	P	P	P
25	912017106027	SUSITHRA	P	P	P	P	P	P
26	912017106028	VISHNU PRIYA	P	P	P	P	P	P
27	912017106029	YUVA RANI	P	P	P	P	P	P
28	912017106301	KALAISELVI P	P	P	P	P	P	P
29	912017106701	VAITHEESWARI	P	P	P	P	P	P

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

T. Pan
Course coordinator

R. P.
HOD/ECE

PRINCIPAL

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

MODEL
CERTIFICATES

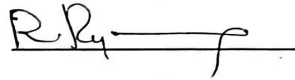
PANDIAN SARASWATHI YADAV ENGINEERING COLLEGE
Arasanoor, Sivagangai-Madurai Highways, Tamil Nadu-630561

Certificate of Completion

This certificate is proudly awarded to:

Mr. Balaji

*Has Successfully Completed the Value Added Certified Course
On ARDUNIO BOARD AND DESIGN During 03.12.2020 to 07.12.2020*



MRS. R. RAJALAKSHMI
HOD/ECE





DR R. RAJA
PRINCIPAL

R RAJA Digitally signed
by R RAJA
Date: 2024.06.27
10:13:43 +05'30'

PANDIAN SARASWATHI YADAV ENGINEERING COLLEGE

Arasanoor.Sivagangai-Madurai Highways.Tamil Nadu-630561

Certificate of Completion

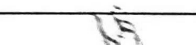
This certificate is proudly awarded to

Ms.Kanagavalli

*Has Successfully Completed the Value Added Certified Course
On ARDUNIO BOARD AND DESIGN During 03.12.2020 to 07.12.2020*



MRS.R.RAJALAKSHMI
HOD/ECE


DR R.RAJA
PRINCIPAL

PRINCIPAL
PANDIAN SARASWATHI YADAV
ENGINEERING COLLEGE

R RAJA

Digitally signed
by R RAJA
Date: 2024.06.27
10:13:55 +05'30'

PANDIAN SARASWATHI YADAV ENGINEERING COLLEGE

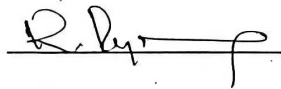
Arasanoor, Sivagangai-Madurai Highways, Tamil Nadu-630561

Certificate of Completion

This certificate is proudly awarded to

Ms. Kalaiselvi

*Has Successfully Completed the Value Added Certified Course
On ARDUNIO BOARD AND DESIGN During 03.12.2020 to 07.12.2020*



MRS. R. RAJALAKSHMI
HOD/ECE



DR R. RAJA
PRINCIPAL

PRINCIPAL
PANDIAN SARASWATHI YADAV
ENGINEERING COLLEGE

R RAJA

Digitally signed
by R RAJA
Date: 2024.06.27
10:14:08 +05'30'