



Indra Ganesan

COLLEGE OF ENGINEERING

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
Accredited by NAAC with 'B+' Grade, 2(f) & 12B Status Institution by UGC

IG Valley, Madurai Main Road, Manikandam, Tiruchirappalli - 620012

NAAC DOCUMENTS

QUALITY INDICATOR FRAME WORK

CRITERION – 1

CURRICULAR ASPECTS

SUBMITTED BY

IQAC

INTERNAL QUALITY ASSURANCE CELL

INDRA GANESAN COLLEGE OF ENGINEERING





DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

ACADEMIC YEAR 2018-2019 / EVEN SEMESTER

1.2 Academic Flexibility (30)

1.2.1 Number of Certificate/Value added courses offered and online courses of MOOCs, SWAYAM, NPTEL etc. (where the students of the institution have enrolled and successfully completed during the last five years)

AND

1.2.2 Percentage of students enrolled in Certificate/ Value added courses and also completed online courses of MOOCs, SWAYAM, NPTEL etc. as against the total number of students during the last five years

VAC Title:	RASPBERRY PI				
Resource Person:	Mrs.Shalom Jerlin, Technical Head, Mr.R.Hemnath Trainer, Hitakey Infosys, Trichy				
Date of conduct from:	17.06.2019	To:	21.06.2019	Duration:	30 Hours
Organized Department:	ELECTRONICS AND COMMUNICATION ENGINEERING				
Participant Year:	ECE IV, III, II	Semester:	EVEN	No. of Students Registered:	72
Venue:	DSP Lab				

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Department of Electronics and Communication Engineering

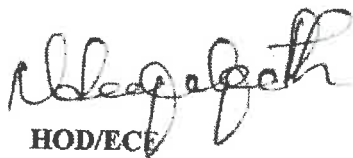
Academic Year 2018-2019 –EVEN Semester

10.06.2019

DEPARTMENT CIRCULAR

Department of Electronics and Communication Engineering in association with Hitakey Infosys, is going to organize Value Added Course for all Second, Third and Final year students on “RASPERRY PI” from 17.06.2019 to 21.06.2019. Certificates will be issued to the eligible participants at the end of the Course. This training is to be provided in our campus.

Resource Person Detail	1. Mrs. Shalom Jerlin, Technical Head, Hitakey Infosys, Trichy 2. Mr. R. Hemnath, Trainer, Hitakey Infosys, Trichy
Venue	DSP lab and Optical Lab, ECE


HOD/ECE


PRINCIPAL

Cc:

- Principal office
- IQAC Co-Ordinator
- Class In charges - II, III & IV-Year
- II, III & IV-Year ECE Students
- Office File
- Notice Board


Dr. G. Balakrishnan, M.E., Ph.D.,

Principal

Indra Ganesan College of Engineering

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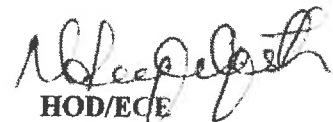
Value Added Course


“RASPBERRY PI”

SYLLABUS

S.NO	TOPIC COVERED	DURATION (in hours)	DATE
1	Introduction to RASPBERRY PI, Versions of Raspberry Pi and their differences, Raspberry Pi B+	3	17.06.2019
2	Preparing SD card for OS installation, Download image	3	17.06.2019
3	First time configuration using whole SD card, whole screen, Changing time zone	3	18.06.2019
4	Setting up using GUI, Setting up using command line, Finding Pi's IP address, GPIO setup	3	18.06.2019
5	Raspberry Pi using secure shell, putty test and configure, Pi over VNC, Installing VNC, Configuring VNC, Running VNC at startup	3	19.06.2019
6	Test and configure LINUX, Understanding Linux, File structure, Linux commands, Permissions	3	19.06.2019
7	Python Essentials, Interpreted languages, Variables, Keywords, Operators and operands, Data types	3	20.06.2019
8	Flow control, Condition statement, Loops, Importing libraries, Functions, Classes	3	20.06.2019
9	Accessing SMTP inbox using Python, Manipulating GPIO pins using Python, Making Raspberry Pi- a web server, Apache installation	3	21.06.2019
10	Configuring and deploying Apache, Hosting a website, Hosting a blog on Raspberry Pi, Home automation using Raspberry Pi	3	21.06.2019
11	Exam	1	21.06.2019
Total Hours (Excluding Exam)		30	-


VAC Coordinator


HOD/ECE


Dr. G. Balakrishnan, M.E., Ph.D.
Principal
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IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.



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Value Added Course

"RASPBERRY PI"

STUDENTS PARTICIPATION LIST

S.NO	REG NO	STUDENTS NAME	YEAR/ BRANCH
1	811215106002	Abinethri.J	IV/ECE
2	811215106004	Anitha.B	IV/ECE
3	811215106007	Balaji.S	IV/ECE
4	811215106008	BarjanaBarveen.N	IV/ECE
5	811215106009	Bhagya.D	IV/ECE
6	811215106010	Dhivyapriya.S	IV/ECE
7	811215106011	FairoseBegum.A	IV/ECE
8	811215106012	Farsana.K	IV/ECE
9	811215106013	Gomathi.M	IV/ECE
10	811215106014	HabeebBanu.M	IV/ECE
11	811215106015	Hemalatha.K	IV/ECE
12	811215106016	JaheerHussain.K	IV/ECE
13	811215106017	JancyRani.K	IV/ECE
14	811215106018	Jayasri.A	IV/ECE
15	811215106019	Juliet Vanitha.S	IV/ECE
16	811215106020	Kalaiselvi.R	IV/ECE
17	811215106021	Karthick.R	IV/ECE
18	811215106023	Krishnaveni.K	IV/ECE
19	811215106024	Madhu.M	IV/ECE
20	811215106025	Malarvizhi.R	IV/ECE
21	811215106026	Manikandan.S	IV/ECE
22	811215106027	Meena.V	IV/ECE
23	811215106028	MohamedYasin.M	IV/ECE
24	811215106029	Nandhini.R	IV/ECE
25	811215106030	NasithaBanu.S	IV/ECE
26	811215106032	Prabhu.M	IV/ECE
27	811215106033	Priya.K	IV/ECE
28	811215106034	Priya.M	IV/ECE
29	811215106035	Priyadharshini.K	IV/ECE
30	811215106037	Rafeek.M	IV/ECE
31	811215106038	Rajapalikhana.K	IV/ECE
32	811215106039	Ramya.G	IV/ECE
33	811215106040	Sachin.R	IV/ECE
34	811215106042	Saraswathi.A	IV/ECE

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S.NO	REG NO	STUDENTS NAME	YEAR/ BRANCH
35	811215106043	Saraswathi.R	IV/ECE
36	811215106044	Shalini.G	IV/ECE
37	811215106045	Subramani.M	IV/ECE
38	811215106046	SujiEvangelinJasmine.S	IV/ECE
39	811215106048	Surya.N	IV/ECE
40	811215106049	Vijay.G	IV/ECE
41	811215106050	Sathya.R	IV/ECE
42	811216106001	AbarnaT	III/ECE
43	811216106002	AmsavalliS	III/ECE
44	811216106003	AnushyaS	III/ECE
45	811216106004	Arockia NivethaS	III/ECE
46	811216106005	AshefaN	III/ECE
47	811216106006	DhanalakshmiT	III/ECE
48	811216106008	FeminaBegum A	III/ECE
49	811216106009	GayathriJ	III/ECE
50	811216106010	Joysefshiba J	III/ECE
51	811216106011	Keerthana P	III/ECE
52	811216106012	Keerthana S	III/ECE
53	811216106013	Keerthika D	III/ECE
54	811216106014	Lathasri S	III/ ECE
55	811216106015	Menaka R	III/ ECE
56	811216106016	Mithra P	III/ ECE
57	811216106017	Mohan Raj S	III/ ECE
58	811216106018	Nilavar Nisha F	III/ ECE
59	811216106019	Pavithra P	III/ ECE
60	811216106020	Pavithra V	III/ ECE
61	811216106021	Prabhu A	III/ ECE
62	811217106001	Aishwariya S	II/ECE
63	811217106002	Aneesha A	II/ECE
64	811217106003	Deepika B	II/ECE
65	811217106004	Durga D	II/ECE
66	811217106005	Gangadevi M	II/ECE
67	811217106006	Janan iC	II/ECE
68	811217106009	Karthick K	II/ECE
69	811217106010	Kosiananth R	II/ECE
70	811217106011	Lakshmi M	II/ECE
71	811217106012	Manikandan M	II/ECE
72	811217106013	Mekala Devi .S	II/ECE

Kij
VAC Coordinator

Dr. G. Balakrishnan, M.E., Ph.D.
Principal


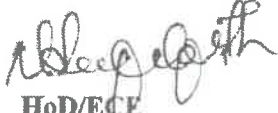

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Abdullah
HOD/ECE



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Report on Value Added Course			
Title:	RASPBERRY PI		
Resource Person:	Mrs. Shalom Jerlin, Technical Head, Hitakey Infosys, Trichy	Mr. R. Hemnath, Trainer, Hitakey Infosys, Trichy	
Date of conduct from :	17.06.2019	To:	21.06.2019
		Duration:	30 Hours
Organized Department :	ELECTRONICS AND COMMUNICATION ENGINEERING		
Participant Year:	2, 3, 4	No. of Students Registered :	72
Venue:	DSP LAB and Optical Lab, ECE		
Outcome of Value Added Course (VAC): At the end of the Course, Students can able to			
<ul style="list-style-type: none">• Know the versions of Raspberry Pi and their differences• Know the Setting up using GUI, Setting up using command line, Finding Pi's IP address• Explain the installation of VNC and configuration of LINUX• Know the Essentials of Python, Interpreted languages, Variables, Keywords, Operators and operands, Data types• Explain the Making of Raspberry Pi as a web server• Develop Home automation using Raspberry Pi			
Assessment Process			
<ul style="list-style-type: none">• Students, who are securing more than 60% on total score and secured more than 75% in attendance is eligible to receive the certificate for the VAC course conducted• Total Score = (0.5 * Attendance in VAC out of 100 percentage + 0.5 * Test mark in VAC out of 100 marks)			
 VAC Coordinator	 HoD/ECE	 Principal	


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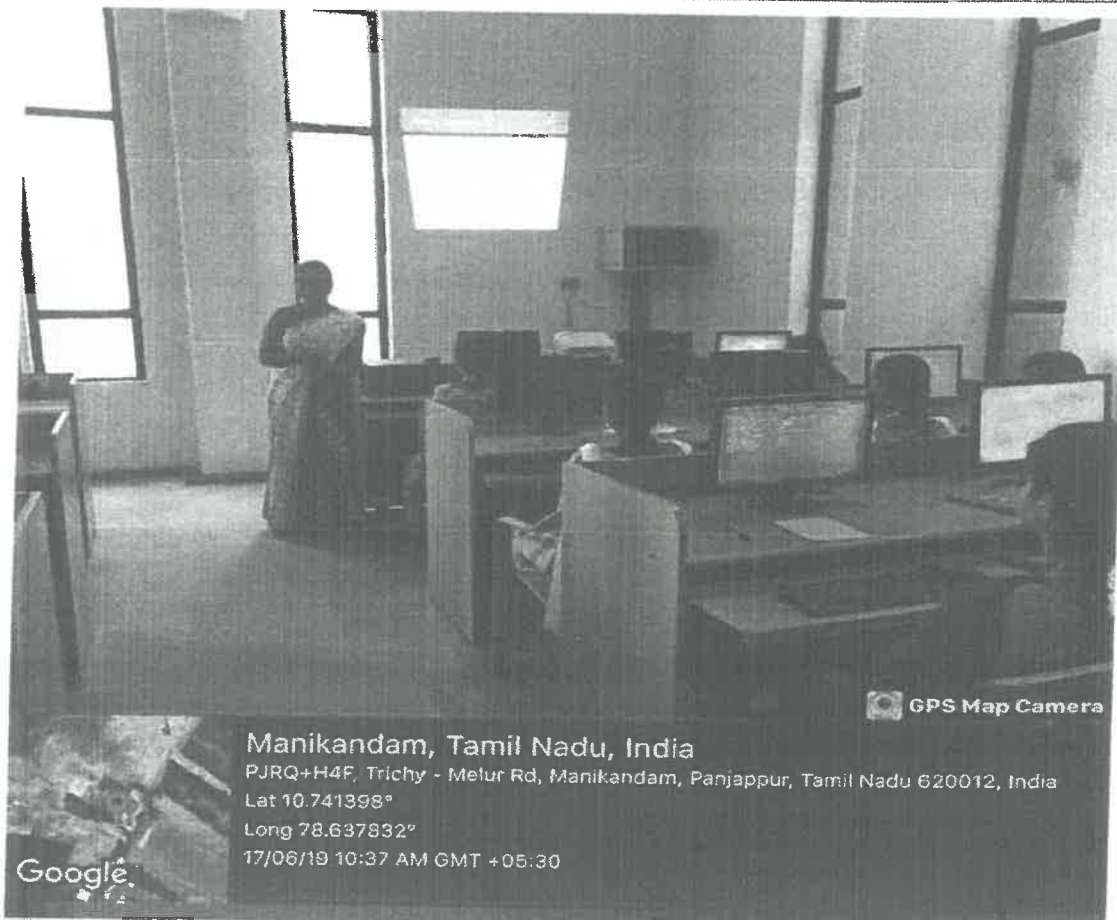
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SAMPLE PHOTOS OF VAC ON RASPBERRY PI

Title:	"RASPBERRY PI"				
Resource Person:	Mrs. Shalom Jerlin, Technical Head, Hitakey Infosys, Trichy		Mr. R. Hemnath, Trainer, Hitakey Infosys, Trichy		
Date of conduct from :	17.06.2019	To:	21.06.2019	Duration:	30 Hours
Organized Department :	Electronics and Communication Engineering				
Participant Year:	2,3,4		No. of Students Registered :	72	
Venue:	DSP lab and Optical Lab, ECE				

Sample Photos



Kist
VAC Coordinator

Abhishek
HoD/ECE

[Signature]
Principal

Dr. G. Balakrishnan, M.E., Ph.D., n

Principal

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Value Added Course

“RASPBERRY PI”

Name of the Student:

Year/Sem:

AU Register Number:

Value Added Course

“RASPBERRY PI”

MULTIPLE CHOICE QUESTIONS (25X1 = 25 Marks)

- The Raspberry Pi is defined as the?
 - Mini computer
 - Micro Computer
 - Mega Computer
 - Nano Computer
- Raspberry Pi consists of a __quad-core processor or microprocessor.
 - 16-bit
 - 32-bit
 - 64-bit
 - 128-bit
- Which of the following is true?
 - It is considered superior at software applications.
 - It was developed to encourage basic learning for computer science students and other growing countries.
 - It promotes Scratch and Python as the chief programming language
 - All of the above
- How much RAM, the Raspberry Pi has?
 - 2GiB of RAM
 - 1GiB of RAM
 - 4GiB of RAM
 - 8GiB of RAM
- How many Input / Output pins on board Raspberry Pi3 has?
 - 20
 - 30
 - 40
 - 50
- Which of the following is a not type of Raspberry Pi?
 - Raspberry Pi Alternatives
 - Raspberry Pi Zero W
 - Raspberry Pi 3 Model B+
 - Raspberry Pi 3 Model A+
- Which operating system Raspberry Pi has?
 - Linux
 - Open BSD
 - Net BSD
 - All of the above
- Does Raspberry Pi need external hardware?
 - TRUE
 - FALSE
 - Can be true or false
 - Cannot say
- What do we use to connect TV to RPi?
 - Male HDMI
 - Female HDMI
 - Male HDMI and Adapter
 - Female HDMI and Adapter
- What are the parameters that are default values?
 - Port Name and Bits
 - Speed and Port_Names
 - Speed and Parity
 - Stop bit and Flow Control
- What is Raspberry Pi?
 - A single-board computer
 - A mobile phone
 - A gaming console
 - A tablet
- Which programming language is commonly used with Raspberry Pi?


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Value Added Course

"RASPBERRY PI"

ANSWER KEY

1	A	6	D	11	A	16	B	21	C
2	C	7	D	12	C	17	C	22	C
3	D	8	B	13	C	18	A	23	D
4	B	9	C	14	B	19	A	24	B
5	C	10	B	15	A	20	B	25	C

VAC Coordinator

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Value Added Course

"RASPBERRY PI"

Name of the Student: R. Menaka

Year/Sem: III/V

AU Register Number: 811216106015

Value Added Course

"RASPBERRY PI"

MULTIPLE CHOICE QUESTIONS (25X1 = 25 Marks)

21
25

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a) Mini computer
c) Mega Computer
b) Micro Computer
d) Nano Computer
- Raspberry Pi consists of a __quad-core processor or microprocessor.
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b) 32-bit
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b) Raspberry Pi Zero W
c) Raspberry Pi 3 Model B+
d) Raspberry Pi 3 Model A+
- Which operating system Raspberry Pi has?
a) Linux
b) Open BSD
c) Net BSD
d) All of the above
- Does Raspberry Pi need external hardware?
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Value Added Course

"RASPBERRY PI"

- ~~12.~~ ~~c) Python~~ b) Java
d) Ruby
13. What is the operating system used by Raspberry Pi?
a) Windows 10 b) macOS
c) Raspbian d) Ubuntu
14. What is the maximum resolution supported by Raspberry Pi?
a) 720p b) 1080p
c) 4K d) 8K
15. What is the recommended power supply voltage for Raspberry Pi?
a) 5V b) 9V
c) 12V d) 15V
16. Which GPIO pin is used for ground connection in Raspberry Pi?
a) GPIO0 b) GPIO1
c) GPIO2 d) GPIO3
17. Which version of Bluetooth is supported by Raspberry Pi 3?
a) Bluetooth 2.0 b) Bluetooth 3.0
c) Bluetooth 4.0 d) Bluetooth 5.0
18. What is the purpose of the Raspberry Pi camera module?
a) To capture photos and videos b) To display images on a screen
c) To control motors and sensors d) To connect to the internet
19. What is the purpose of the Raspberry Pi sense HAT?
a) To measure temperature, pressure, and humidity b) To control motors and sensors
c) To capture photos and videos d) To connect to the internet
20. What is the maximum number of USB ports available on Raspberry Pi 4?
a) 2 b) 5
c) 4 d) 5
21. Which type of memory is used by Raspberry Pi for storage?
a) RAM b) ROM
c) Flash d) Cache
22. What is the purpose of the Raspberry Pi GPIO pins?
a) To provide power to the Raspberry Pi b) To connect to the internet
c) To control external devices and sensors d) To display images on a screen
23. What is the maximum amount of RAM supported by Raspberry Pi 4?
a) 1GB b) 2GB
c) 4GB d) 8GB
24. What is the purpose of the Raspberry Pi 40-pin header?
a) To provide power to the Raspberry Pi b) To connect to the internet
c) To control external devices and sensors d) To display images on a screen
25. Which component of Raspberry Pi allows it to connect to the internet wirelessly?
a) Ethernet port b) Wi-Fi module
c) Bluetooth module d) USB port

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Department of Electronics and communication Engineering

Academic Year 2018-2019- Even Semester

STUDENTS PARTICIPATION LIST

VAC PROGRAM- RASPBERRY PI

S.NO	REG NO	STUDENTS NAME	YEAR/ BRANCH	DATE: 17.06.19		DATE: 18.06.19		DATE: 19.06.19		DATE: 20.06.19		DATE: 21.06.19		NO OF SESSIONS ATTENDED	SIGNATURE OF THE STUDENT
				FN	AN	FN	AN	FN	AN	FN	AN	FN	AN		
1	811215106002	Abinethri.J	IV/ECE	/	/	/	/	/	/	/	/	/	/	10	J. Amuthy
2	811215106004	Anitha.B	IV/ECE	/	/	/	/	/	/	/	/	/	/	10	Balaji
3	811215106007	Balaji.S	IV/ECE	/	/	/	/	/	a	/	/	/	/	9	S. Balaji
4	811215106008	BarjanaBarveen.N	IV/ECE	/	/	/	a	/	/	/	/	/	/	9	N. Barjan
5	811215106009	Bhagya.D	IV/ECE	/	/	/	/	/	/	/	a	/	/	9	Bhmy
6	811215106010	Dhivyapriya.S	IV/ECE	/	a	/	/	/	/	/	/	/	/	9	Dhivya.S.
7	811215106011	FairoselBegum.A	IV/ECE	/	/	/	/	/	/	/	/	/	/	10	A. Fairose
8	811215106012	Farsana.K	IV/ECE	/	/	/	/	/	a	/	/	/	/	9	K. Farsana
9	811215106013	Gomathi.M	IV/ECE	/	a	/	/	/	/	/	/	/	/	9	M. Gomathi
10	811215106014	HaheebDaru.M	IV/ECE	/	/	/	a	/	/	/	/	/	/	9	Haheeb Daru.M
11	811215106015	Hemalatha.K	IV/ECE	/	/	/	/	/	/	/	/	/	/	10	K. Hemalatha

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S.NO	REG NO	STUDENTS NAME	YEAR/ BRANCH	DATE: 17.06.19		DATE: 18.06.19		DATE: 19.06.19		DATE: 20.06.19		DATE: 21.06.19		NO OF SESSIONS ATTENDED	SIGNATURE OF THE STUDENT
				FN	AN	FN	AN	FN	AN	FN	AN	FN	AN		
12	811215106016	Jaheer Hussain.K	IV/ECE	/	/	/	/	/	a	/	/	/	/	9	Jah-h-k
13	811215106017	Jancy Rani.K	IV/ECE	/	/	/	/	/	/	/	/	/	/	10	Jancy Rani.K
14	811215106018	Jayasri.A	IV/ECE	/	/	/	/	/	/	/	/	/	/	10	A. Jayasri
15	811215106019	Juliet Vanitha.S	IV/ECE	/	a	/	/	/	/	/	/	/	/	9	S. Juliet
16	811215106020	Kalaiselvi.R	IV/ECE	/	/	/	/	a	a	/	/	/	/	8	Juliet Vanitha.S
17	811215106021	Karthick.R	IV/ECE	/	/	a	a	/	/	/	/	/	/	8	Karthick.R
18	811215106023	Krishnaveni.K	IV/ECE	/	/	/	/	/	/	a	/	/	/	9	Krishnaveni.K
19	811215106024	Madhu.M	IV/ECE	/	/	/	/	/	/	/	/	/	/	10	M. Madhu
20	811215106025	Malarvizhi.R	IV/ECE	/	/	/	/	/	/	/	a	/	/	9	R. Malarvizhi
21	811215106026	Manikanda.S	IV/ECE	/	/	/	/	a	a	/	/	/	/	8	S. Manikanda
22	811215106027	Meena.V	IV/ECE	/	a	/	/	/	/	/	/	/	/	9	V. Meena
23	811215106028	Mohamed Yasin.M	IV/ECE	/	/	/	/	/	/	/	/	/	/	10	M. Mohamed Yasin
24	811215106029	Nandhini.R	IV/ECE	/	/	/	/	/	/	/	/	/	/	10	S. Nandhini
25	811215106030	Nasitha Banu.S	IV/ECE	/	/	/	/	/	/	/	/	/	/	10	R. Nasitha
26	811215106032	Prabhu.M	IV/ECE	/	/	/	/	/	/	/	/	/	/	10	P. Prabhu
27	811215106033	Priya.K	IV/ECE	/	/	/	/	/	a	/	/	/	/	10	P. Priya
28	811215106034	Priya.M	IV/ECE	/	/	/	/	/	/	/	a	/	/	9	M. Priya
29	811215106035	Priyadarshini.K	IV/ECE	/	/	/	a	/	/	/	/	/	/	9	K. Priyadarshini
30	811215106037	Rafeek.M	IV/ECE	/	a	/	/	/	/	/	/	/	/	9	M. Rafeek

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Manikandam, Trichy-620 012.


S.NO	REG NO	STUDENT'S NAME	YEAR/ BRANCH	DATE: 17.06.19		DATE: 18.06.19		DATE: 19.06.19		DATE: 20.06.19		DATE: 21.06.19		NO OF SESSIONS ATTENDED	SIGNATURE OF THE STUDENT
				FN	AN	FN	AN	FN	AN	FN	AN	FN	AN		
31	811215106038	Rajapalikhon. K	IV/ECE	/	/	/	/	/	/	/	/	/	/	10	K. Rajapalikhon
32	811215106039	Ramya.G	IV/ECE	/	a	/	/	/	/	/	/	/	/	9	Ramya.G
33	811215106010	Sachin.R	IV/ECE	/	/	/	/	a	a	/	/	/	/	8	R. Sachin
34	811215106042	Saraswathi.A	IV/ECE	/	/	/	a	/	/	/	/	/	/	9	P. Saraswathi
35	811215106043	Saraswathi.R	IV/ECE	/	/	/	/	/	/	/	/	/	/	10	R. Saraswathi
36	811215106044	Shahni.G	IV/ECE	/	/	/	/	/	/	/	a	/	/	9	G. Shahni
37	811215106045	Subramani.M	IV/ECE	/	/	/	/	/	/	/	/	/	/	10	M. Subramani
38	811215106046	SujiEvangelinJasmine.	IV/ECE	/	/	/	/	/	/	/	/	/	/	10	Sujina
39	811215106048	Surya.N	IV/ECE	/	/	/	/	/	a	/	/	/	/	10	N. Surya
40	811215106049	Vijay.G	IV/ECE	/	/	/	/	/	a	/	/	/	/	9	G. Vijay
41	811215106050	Sathya.R	IV/ECE	/	/	a	a	/	/	/	/	/	/	8	R. Sathya
42	811216106001	AbarnaT	III/ECE	/	/	/	a	/	/	/	/	/	/	9	T. Abarna
43	811216106002	AmsavalliS	III/ECE	/	/	/	/	/	/	/	/	/	/	10	S. Amsavalli
44	811216106003	AnushyaS	III/ECE	/	/	/	/	/	a	/	/	/	/	9	S. Anushya
45	811216106004	Arockia NivethaS	III/ECE	/	/	/	/	/	/	/	/	/	/	10	S. Arockia
46	811216106005	AshfaN	III/ECE	/	/	/	/	/	/	/	/	/	/	10	N. Ashfa
47	811216106006	DhanalakshmiT	III/ECE	/	/	/	a	/	/	/	/	/	/	9	T. Dhanalakshmi
48	811216106007	FeminaBegum A	III/ECE	/	/	/	/	a	a	/	/	/	/	8	A. Femina
49	811216106008	GayathriJ	III/ECE	/	/	/	/	/	/	a	a	/	/	8	J. Gayathri


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S.NO	REG NO	STUDENT'S NAME	YEAR/ BRANCH	DATE: 17.06.19		DATE: 18.06.19		DATE: 19.06.19		DATE: 20.06.19		DATE: 21.06.19		NO OF SESSIONS ATTENDED	SIGNATURE OF THE STUDENT
				FN	AN	FN	AN	FN	AN	FN	AN	FN	AN		
50	811216106010	Joyshiba J	III/ECE	/	a	/	/	/	/	/	/	/	/	9	Joyshiba J
51	811216106011	Keerthana P	III/ECE	/	/	/	/	/	/	/	/	/	/	10	P. Keerthana
52	811216106012	Keerthana S	III/ECE	/	/	/	/	/	a	/	/	/	/	9	S. Keerthana
53	811216106013	Keerthika D	III/ECE	/	/	/	/	a	a	/	/	/	/	8	D. Keerthika
54	811216106014	Lathasri S	III/ ECE	/	/	/	/	/	/	/	a	/	/	9	S. Latha
55	811216106015	Menaka R	III/ ECE	/	/	/	/	/	/	/	/	/	/	10	R. Menaka
56	811216106016	Mithra P	III/ ECE	/	/	/	a	/	/	/	/	/	/	9	P. Mithra
57	811216106017	Mohan Raj S	III/ ECE	/	/	/	/	/	/	/	/	/	/	10	S. Mohan Raj
58	811216106018	Nilavar Nisha F	III/ ECE	/	/	/	/	/	/	/	/	/	/	10	F. Nisha
59	811216106019	Pavithra P	III/ ECE	/	/	/	/	/	/	/	/	/	/	10	P. Pavithra
60	811216106020	Pavithra V	III/ ECE	/	/	/	/	/	a	/	/	/	/	10	V. Pavithra
61	811216106021	Prabhu A	III/ ECE	/	/	a	a	/	/	/	/	/	/	8	A. Prabhu
62	811217106001	Aishwariya S	II/ECE	/	/	/	/	/	/	/	a	/	/	9	S. Aishwariya
63	811217106002	Ancasha A	II/ECE	/	/	/	/	/	/	/	/	/	/	10	A. Ancasha
64	811217106003	Deepika B	II/ECE	/	a	/	/	/	/	/	/	/	/	9	B. Deepika
65	811217106004	Durga D	II/ECE	/	/	/	/	/	/	/	/	/	/	10	D. Durga
66	811217106005	Gangadevi M	II/ECE	/	/	/	/	/	/	/	/	/	/	10	M. Gangadevi
67	811217106006	Janani K	II/ECE	/	/	/	/	/	a	/	/	/	/	9	K. Janani
68	811217106009	Karthick K	II/ECE	/	/	a	a	/	/	/	/	/	/	8	K. Karthick



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S.NO	REG NO	STUDENTS NAME	YEAR/ BRANCH	DATE: 17.06.19		DATE: 18.06.19		DATE: 19.06.19		DATE: 20.06.19		DATE: 21.06.19		NO OF SESSIONS ATTENDED	SIGNATURE OF THE STUDENT
				FN	AN	FN	AN	FN	AN	FN	AN	FN	AN		
69	SI1217106010	Kosiananth R	II/ECE	/	/	/	/	a	a	/	/	/	/	8	R. K. K. R.
70	SI12171050.1	Lakshmi M	II/ECE	/	/	/	a	/	/	/	/	/	/	9	Lakshmi M
71	SI1217106012	Manikandan M	II/ECE	/	/	/	/	/	/	/	/	/	/	10	M. Manikandan
72	SI1217106013	Mekala Devi S	II/ECE	/	a	/	/	/	/	/	/	/	/	9	S. Mekala Devi

K. K. K.
 VAC Coordinator

(Signature)
Dr. G. Balakrishnan, M.E., Ph.D.,
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(Signature)
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Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai

Department of Electronics and Communication Engineering

Academic Year 2018-2019 – Even Semester

VALUE ADDED COURSE ASSESMENT SHEET

RASPBERRY PI

S.NO	REG NO	STUDENTS NAME	YEAR/ BRANCH	Attendance Details		VAC-MCQ TEST		OVERALL MARK(100) (50% of A + 50% of B)
				No. of Session Attended	Attendance Mark(100) (A)	No of Correct Answers	MCQ Mark(100) (B)	
1	811215106002	Abinethri.J	IV/ECE	30	100	20	80	90
2	811215106004	Anitha.B	IV/ECE	30	100	20	80	90
3	811215106007	Balaji.S	IV/ECE	27	90	19	76	83
4	811215106008	BarjanaBarveen.N	IV/ECE	27	90	21	84	87
5	811215106009	Bhagya.D	IV/ECE	27	90	19	76	83
6	811215106010	Dhivyapriya.S	IV/ECE	27	90	19	76	83
7	811215106011	FairoseBegum.A	IV/ECE	30	100	20	80	90
8	811215106012	Farsana.K	IV/ECE	27	90	19	76	83
9	811215106013	Gomathi.M	IV/ECE	27	90	19	76	83
10	811215106014	HabeebBanu.M	IV/ECE	27	90	19	76	83
11	811215106015	Hemalatha.K	IV/ECE	30	100	21	84	92

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S.NO	REG NO	STUDENTS NAME	YEAR/ BRANCH	Attendance Details		VAC-MCQ TEST		OVERALL MARK(100) (50% of A + 50% of B)
				No. of Session Attended	Attendance Mark(100) (A)	No of Correct Answers	MCQ Mark(100) (B)	
12	811215106016	JaheerHussain.K	IV/ECE	27	90	20	80	85
13	811215106017	JancyRani.K	IV/ECE	30	100	21	84	92
14	811215106018	Jayasri.A	IV/ECE	30	100	19	76	88
15	811215106019	Juliet Vanitha.S	IV/ECE	27	90	19	76	83
16	811215106020	Kalaiselvi.R	IV/ECE	24	80	20	80	80
17	811215106021	Karthick.R	IV/ECE	24	80	21	84	82
18	811215106023	Krishnaveni.K	IV/ECE	27	90	22	88	89
19	811215106024	Madhu.M	IV/ECE	30	100	20	80	90
20	811215106025	Malarvizhi.R	IV/ECE	27	90	21	84	87
21	811215106026	Manikandan.S	IV/ECE	24	80	20	80	80
22	811215106027	Meena.V	IV/ECE	27	90	21	84	87
23	811215106028	MohamedYasin.M	IV/ECE	30	100	20	80	90
24	811215106029	Nandhini.R	IV/ECE	30	100	19	76	82
25	811215106030	NasithaBanu.S	IV/ECE	30	100	19	76	88
26	811215106032	Prabhu.M	IV/ECE	30	100	21	84	92
27	811215106033	Priya.K	IV/ECE	27	90	19	76	83
28	811215106034	Priya.M	IV/ECE	27	90	19	76	83
29	811215106035	Priyadharshini.K	IV/ECE	27	90	19	76	83
30	811215106037	Rafeek.M	IV/ECE	27	90	19	76	83

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S.NO	REG NO	STUDENTS NAME	YEAR/ BRANCH	Attendance Details		VAC-MCQ TEST		OVERALL MARK(100) (50% of A + 50% of B)
				No. of Session Attended	Attendance Mark(100) (A)	No of Correct Answers	MCQ Mark(100) (B)	
31	811215106038	Rajapalikhana. K	IV/ECE	30	100	19	76	88
32	811215106039	Ramya.G	IV/ECE	27	90	19	76	83
33	811215106040	Sachin.R	IV/ECE	24	80	21	84	82
34	811215106042	Saraswathi.A	IV/ECE	27	90	20	80	85
35	811215106043	Saraswathi.R	IV/ECE	30	100	21	84	92
36	811215106044	Shalini.G	IV/ECE	27	90	19	76	83
37	811215106045	Subramani.M	IV/ECE	30	100	19	76	88
38	811215106046	SujiEvangelinJasmine.S	IV/ECE	30	100	19	76	88
39	811215106048	Surya.N	IV/ECE	30	100	21	84	92
40	811215106049	Vijay.G	IV/ECE	27	90	21	84	87
41	811215106050	Sathya.R	IV/ECE	24	80	20	80	80
42	811216106001	AbarnaT	III/ECE	27	90	21	84	87
43	811216106002	AmsavalliS	III/ECE	30	100	20	80	90
44	811216106003	AnushyaS	III/ECE	27	90	19	76	83
45	811216106004	Arockia NivethaS	III/ECE	30	100	19	76	88
46	811216106005	AshefaN	III/ECE	30	100	21	84	92
47	811216106006	DhanalakshmiT	III/ECE	27	90	19	76	83
48	811216106008	FeminaBegum A	III/ECE	24	80	20	80	80
49	811216106009	GayathriJ	III/ECE	24	80	20	80	80

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S.NO	REG NO	STUDENTS NAME	YEAR/ BRANCH	Attendance Details		VAC-MCQ TEST		OVERALL MARK(100) (50% of A + 50% of B)
				No. of Session Attended	Attendance Mark(100) (A)	No of Correct Answers	MCQ Mark(100) (B)	
50	811216106010	Joysefshiba J	III/ECE	27	90	19	76	83
51	811216106011	Keerthana P	III/ECE	30	100	20	80	90
52	811216106012	Keerthana S	III/ECE	27	90	19	76	83
53	811216106013	Keerthika D	III/ECE	24	80	21	84	82
54	811216106014	Lathasri S	III/ ECE	27	90	20	80	85
55	811216106015	Menaka R	III/ ECE	30	100	21	84	92
56	811216106016	Mithra P	III/ ECE	27	90	20	80	85
57	811216106017	Mohan Raj S	III/ ECE	30	100	19	76	88
58	811216106018	Nilavar Nisha F	III/ ECE	30	100	20	80	90
59	811216106019	Pavithra P	III/ ECE	30	100	21	84	92
60	811216106020	Pavithra V	III/ ECE	27	90	21	84	87
61	811216106021	Prabhu A	III/ ECE	24	80	20	80	80
62	811217106001	Aishwariya S	II/ECE	27	90	21	84	87
63	811217106002	Aneesha A	II/ECE	30	100	20	80	90
64	811217106003	Deepika B	II/ECE	27	90	19	76	83
65	811217106004	Durga D	II/ECE	30	100	19	76	88
66	811217106005	Gangadevi M	II/ECE	30	100	21	84	92
67	811217106006	Janan iC	II/ECE	27	90	19	76	83
68	811217106009	Karthick K	II/ECE	24	80	20	80	80


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S.NO	REG NO	STUDENTS NAME	YEAR/ BRANCH	Attendance Details		VAC-MCQ TEST		OVERALL MARK(100) (50% of A + 50% of B)
				No. of Session Attended	Attendance Mark(100) (A)	No of Correct Answers	MCQ Mark(100) (B)	
69	811217106010	Kosiananth R	II/ECE	24	80	21	84	82
70	811217106011	Lakshmi M	II/ECE	27	90	22	88	89
71	811217106012	Manikandan M	II/ECE	30	100	19	76	88
72	811217106013	Mekala Devi S	II/ECE	27	90	19	76	83

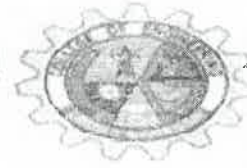

VAC Coordinator


HOD/ECE


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CERTIFICATE OF PARTICIPATION

This is to certify that Ms. ANITHA B, IV Year, ECE has successfully completed the Value Added Course on “RASPERRY PI” organized by Department of Electronics and Communication Engineering in Association with Hitakey Infosys from 17th June 2019 to 21st June 2019 (5days) during the Academic year 2018-2019.

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Hitakey Infosys,
Technical Head.

Dr. G. Balakrishnan, M.E., Ph.D.,
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CERTIFICATE OF PARTICIPATION

This is to certify that Mr. VIJAY G, IV Year, ECE has successfully completed the Value Added Course on “RASPERRY PI” organized by Department of Electronics and Communication Engineering in Association with Hitakey Infosys from 17th June 2019 to 21st June 2019 (5days) during the Academic year 2018-2019.

Mrs. Shalom Jerlin,

Hitakey Infosys,

Technical Head.

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CERTIFICATE OF PARTICIPATION

This is to certify that Ms. ABINETHRI J, IV Year, ECE has successfully completed the Value Added Course on “RASPBERRY PI” organized by Department of Electronics and Communication Engineering in Association with Hitakey Infosys from 17th June 2019 to 21st June 2019 (5days) during the Academic year 2018-2019.

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Hitakey Infosys,
Technical Head

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CERTIFICATE OF PARTICIPATION

This is to certify that Ms.GOMATHI M, IV Year, ECE has successfully completed the Value Added Course on “RASPBERRY PI” organized by Department of Electronics and Communication Engineering in Association with Hitakey Infosys from 17th June 2019 to 21st June 2019 (5days) during the Academic year 2018-2019.

Mrs. Shalom Jerlin,
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CERTIFICATE OF PARTICIPATION

This is to certify that Mr. SACHIN R, IV Year, ECE has successfully completed the Value Added Course on “RASPBERRY PI” organized by Department of Electronics and Communication Engineering in Association with Hitakey Infosys from 17th June 2019 to 21st June 2019 (5days) during the Academic year 2018-2019.

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Hitakey Infosys,

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CERTIFICATE OF PARTICIPATION

This is to certify that Ms.SARASWATHI R , IV Year, ECE has successfully completed the Value Added Course on “RASPBERRY PI” organized by Department of Electronics and Communication Engineering in Association with Hitakey Infosys from 17th June 2019 to 21st June 2019 (5days) during the Academic year 2018-2019.

Mrs. Shalom Jerlin,

Hitakey Infosys,

Technical Head

Dr. G. Balakrishnan, M.E., Ph.D.,

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CERTIFICATE OF PARTICIPATION

This is to certify that Ms.ASHEFA N, III Year, ECE has successfully completed the Value Added Course on “RASPBERRY PI” organized by Department of Electronics and Communication Engineering in Association with Hitakey Infosys from 17th June 2019 to 21st June 2019 (5days) during the Academic year 2018-2019.

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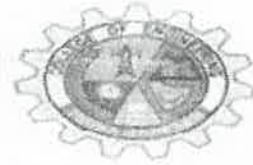
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This is to certify that Ms. MENAKA R, III Year, ECE has successfully completed the Value Added Course on “RASPBERRY PI” organized by Department of Electronics and Communication Engineering in Association with Hitakey Infosys from 17th June 2019 to 21st June 2019 (5days) during the Academic year 2018-2019.

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This is to certify that Ms.DHANALAKSHMI T, III Year, ECE has successfully completed the Value Added Course on “RASPBERRY PI” organized by Department of Electronics and Communication Engineering in Association with Hitakey Infosys from 17th June 2019 to 21st June 2019 (5days) during the Academic year 2018-2019.

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This is to certify that Ms.AISHWARIYA S, II Year, ECE has successfully completed the Value Added Course on “RASPBERRY PI” organized by Department of Electronics and Communication Engineering in Association with Hitakey Infosys from 17th June 2019 to 21st June 2019 (5days) during the Academic year 2018-2019.

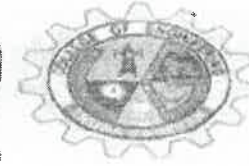
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This is to certify that Mr.KARTHICK K, II Year, ECE has successfully completed the Value Added Course on “RASPBERRY PI” organized by Department of Electronics and Communication Engineering in Association with Hitakey Infosys from 17th June 2019 to 21st June 2019 (5days) during the Academic year 2018-2019.

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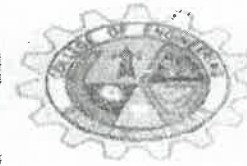
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