



SUMATHI REDDY

INSTITUTE OF TECHNOLOGY FOR WOMEN

L e a r n i n g a t i t s b e s t

Affiliated to JNTUH - Approved by AICTE

No. SRITW/Prin/2019

Date: 21-09-2019

CIRCULAR

All the students are hereby informed that our college is offering value-added courses. Interested students can register their names with the respective course coordinator. A detailed brochure regarding the courses is available in the notice board.

Criteria for Certification: Attendance $\geq 75\%$ and marks secured $\geq 70\%$.

: Imp dates:

Registrations opening date: 24-09-2019

Registrations closing date: 01-10-2019

Course start date: 19-10-2019

Course end date: 22-11-2019

Courses offered:

1. Computer fundamentals
2. Embedded Systems
3. Raspberry PI & other Peripheral Systems
4. Migration Techniques in Cloud Computing

Principal

Principal

Sumathi Reddy Institute of Technology for Women
Ananthasagar (V), Hasanparthy (M)
WARANGAL - 506 371 (TS)

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SUMATHI REDDY

INSTITUTE OF TECHNOLOGY FOR WOMEN

Learning at its best

Affiliated to JNTUH, Approved by AICTE

A course on Raspberry Pi & other Peripheral Systems

Organized by the Department of Computer Science and Engineering

Course start date: 19-10-2019

Course end date: 22-11-2019

Venue:

Lecture Hall1: 201

Lecture Hall2: 202

Timings:3:10PM-4:00PM

Course Instructors:

1.Mr.R.Shasi Kumar Reddy

Asst. Prof, ECE

2. Ms.P.Supraja

Asst. Prof, CSE

Course Objectives:

- To connect your Raspberry Pi to the cloud and understand how to use it in data analysis
- To understand the basics of the Linux OS used on the Pi.
- To apply creative thinking skills in the design of practical solutions to specific case studies and projects.
- To create applications that makes use of electrical, computer and/or microcontroller hardware, sensor interfaces, and mechanical components.
- To know the importance of different peripheral devices and their interfacing to rpi board.
- To write python programs for rpi for various applications.

Course Co-ordinator:

Mrs. T.Sruthi

Asst. Prof, CSE

For registrations Contact : 6302552543

Rijan
Principal

Sumathi Reddy Institute of Technology for Women

Angthasaga/Hasanparthy (M)

WARANGAL - 506 371 (TS)



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L e a r n i n g a t i t s b e s t

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RASPBERRY PI & OTHER PHERIPHERAL SYSTEMS

Date: 19-10-2019 to 22-11-2019

Course Content:

Overview of IoT: Understanding IoT fundamentals, IOT Architecture, protocols, Various Platforms for IoT, Real time Examples of IoT, Overview of IoT components and IoT Communication Technologies, Getting started with Raspberry Pi,

Overview of Raspberry Pi: Introduction to Raspberry Pi, Comparison of various Rpi Models, Understanding SoC architecture and SoCs used in Raspberry Pi, Pin Description of Raspberry Pi , On-board components of Rpi.

Booting up RPi: operating System and Linux Commands, Linux- Introduction, Architecture, File System, Raspbian Operating System - Introduction, Tools like Leaf pad Editor, Installing Raspbian on Pi, First boot and Basic Configuration of Pi, Popular Linux Commands.

RPi using Python and Sensing Data using Python: Introduction to Python vs Other Languages, Applications of Python.

Understanding Python Interpreted Languages: Variables, Keywords, Operators and Operands, Data Types in Python, Importing Libraries, Flow Control, Conditional Statement, Loops.

Sensors Interfacing: Temperature and Humidity Sensor (DHT11), Motion Sensor (PIR), Obstacle detection using Ultrasonic sensor, etc., Communicating using RPi- GSM interfacing, Accessing on-board Wi-Fi, Connecting Database with RPi

RPi with C Language: C Basics- compiled language, C Concepts- data types, variables, conditional statement, loops, Library installation, Compiling C programs, Using Wiring Pi for GPIO Programming, Interfacing Rpi using C

IoT Design using Raspberry Pi: IoT Applications based on Pi, LAMP Web-server, GPIO Control over Web Browser, and Creating Custom Web Page for LAMP, Communicating data using on-board module, Home automation using Pi, Node-RED, MQTT Protocol, Using Node-RED Visual Editor on Rpi

Exploring the Linux OS: Python Programming of the Pi, Hello World, GUI Game, Accessing the Internet, Playing Audio, Controlling peripherals, Controlling LEDs, Getting switch and sensor feedback, Detecting light

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WARANGAL - 506 371 (TS)

Ananthasagar, Hasanparthy, Warangal -506371, Telangana. Website: www.sritw.org

Phone no: 0870-2818302. Email: principal@sritw.org.



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Course Outcomes

After completion of the course students will be able to learn

- How to setup and operate the Raspberry Pi;
- understand the basics of the Linux OS used on the Pi;
- program the Pi using the programming language Python to:
- access a network;
- play audio;
- control light emitting diodes (LEDs);
- get feedback from a switch;
- get feedback from a sensor;
- apply creative thinking skills in the design of practical solutions to specific case studies and projects
- Create applications that make use of electrical, computer and/or microcontroller hardware, sensor interfaces, and mechanical components.



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List of students Registered for Raspberry PI & peripherals systems

Batch: 1

Date: 19-10-2019 to 22-11-2019

Sno	Roll no	Name of the student
1	206Y1A0501	ADEPU SUMANA RUSHI
2	206Y1A0502	ADHI VARSHA
3	206Y1A0503	ALLI KAVYA
4	206Y1A0504	AYESHA NISHATH
5	206Y1A0505	BALA JAHAVALI
6	206Y1A0506	BALNE SANDHYA RANI
7	206Y1A0507	BANDI.BEULAH
8	206Y1A0508	BANDI NIHARIKA
9	206Y1A0509	BANOTHU KALYANI
10	206Y1A0510	BERI LAXMIPRASANNA
11	206Y1A0511	BHAVIKA BOMMINENI
12	206Y1A0512	BIKKINENI JAHNAVALI
13	206Y1A0513	BOINI NIHARIKA
14	206Y1A0514	BUSA SOUMYA
15	206Y1A0515	CEPATHI SHIVANI
16	206Y1A0516	CHENNURI SUDEEPTHI
17	206Y1A0517	CHENU APARNA
18	206Y1A0518	CHILUVERI KALYANI
19	206Y1A0519	CHINTHA VENNELA
20	206Y1A0520	CHINTHIREDDY INDHU
21	206Y1A0521	SANJNA CHITTIMALLA
22	206Y1A0522	SWETHA DEVULAPALLI
23	206Y1A0523	DULLAPELLY KATHYAYANI
24	206Y1A0524	ENUGALA SIMLA
25	206Y1A0525	ERRALA MANICHANDANA
26	206Y1A0526	ETIKALA ANJALI
27	206Y1A0527	FARIYA NAAZ
28	206Y1A0528	GADIDASU LAKSHMI PRASANNA
29	206Y1A0529	GANDAM BHAVANI
30	206Y1A0530	GANDESIRI SADHANA
31	206Y1A0531	GOURISHETTY KEERTHIKA
32	206Y1A0532	GUNDA DEEPTHI
33	206Y1A0533	GUNDA SAI SUPRIYA
34	206Y1A0534	INDRIPALA SHRUTHI

T. Sumathi
Course-coordinator

Principal

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Batch: 2

Date: 19-10-2019 to 22-11-2019

Sno	Roll No	Name
1	206Y1A0535	JANAGAMA SWATHI
2	206Y1A0536	KALVALA SRI TEJASWI
3	206Y1A0537	KANUGANTI MANASA
4	206Y1A0538	KANUKUNTLA SWAPNASRI
5	206Y1A0539	KAPPALA SRILATHA
6	206Y1A0540	KASURI RAMYA
7	206Y1A0541	KAWADE JYOTHI
8	206Y1A0542	KESHIREDDY. VEDASREE
9	196Y1A0434	ELUGOTI SAI MEGHANA
10	196Y1A0435	ELUKA SUCHITHA
11	196Y1A0436	ERRABELLI PRANATHI
12	196Y1A0437	ERRABELLI PRANUSHA
13	196Y1A0438	ERUKULLA SWETHA
14	196Y1A0440	GADE GOWTHAMI
15	196Y1A0441	GADUDASU SRIVIDYA
16	196Y1A0442	GAI DHAKSHAYANI
17	196Y1A0443	GANABOINA RACHANA
18	196Y1A0444	GATTIKOPPULA INDRAJA
19	196Y1A0445	GOGIKAR PRATHUSHA
20	196Y1A0446	GORANTALA SHREYA
21	196Y1A0447	GURRAM AKHILA
22	196Y1A0448	ILAPURAM ANKITHA
23	196Y1A0449	JAKKULA SUPRAJA YADAV
24	196Y1A0450	JANGA PRIYANKA
25	196Y1A0451	KARLAPATI SAMYUKTHA
26	196Y1A0452	KATTA SAHASRA
27	196Y1A0453	KESHIREDDY VASAVI
28	196Y1A0454	KOMATIREDDY SHRAVYA
29	176Y1A0211	KATHA NITHYA KOUSHIKA
30	176Y1A0212	LAKAVATH INDHUJA
31	176Y1A0213	M VARALAXMI
32	186Y1A0439	GUDURU YASHASWI
33	186Y1A0440	HARINI ALUGURI
34	186Y1A0441	HUMERA AZIZ
35	186Y1A0442	JANGALA BHARGAVI
36	186Y1A0443	KALAKOTA NANDINI
37	186Y1A0444	KALLURI NIRUPAMA SHAILU
38	186Y1A0445	KANKANALA NAVEENA
39	186Y1A0446	KOKKULA NIKITHA
40	186Y1A0447	KONAGALA VYSHNAVI

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41	186Y1A0448	KONNEY AAMUKTA
42	186Y1A0449	KOTHA RAKSHITHA
43	186Y1A0450	LINGAMPALLY RAMYA
44	186Y1A0451	MANDA SRITEJA
45	196Y1A0477	RACHARALA TEJASRI

T. Sumathi
Course-coordinator

Rijan

Principal

**Sumathi Reddy Institute of Technology for Women
Ananthasagar (V), Hasanparthy (M)
WARANGAL - 506 371 (TS)**

Academic year 2019-20

RASPBERRY & OTHER PHERIPHERAL SYSTEMS

BATCH-I

Course Instructor : R.SHASHI KUMAR REDDY

DATE :			19/10	20/10	21/10	22/10	23/10	24/10	25/10	26/10	27/10	28/10	29/10	30/10	31/10	1/11	2/11	3/11	4/11	5/11	6/11	7/11	8/11	9/11	10/11	11/11	12/11	13/11	14/11	15/11	16/11	17/11	18/11	19/11
SNO	ROLL NO	NAME	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		
1	206Y1A0501	ADEPU SUMANA RUSHI	1	2	3	4	A	5	6	7	8	9	10	11	A	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28		
2	206Y1A0502	ADHI VARSHA	1	2	A	3	4	5	6	7	8	9	10	A	11	12	13	14	15	16	17	18	19	20	A	21	22	23	24	25	26	A		
3	206Y1A0503	ALLI KAVYA	A	1	2	3	4	A	5	6	7	8	9	10	11	12	A	13	14	15	16	17	18	19	20	21	22	A	23	24	25	26		
4	206Y1A0504	AYESHA NISHATH	1	2	A	3	4	5	6	A	7	8	9	10	11	12	A	13	14	15	16	17	A	18	19	20	21	22	23	24	25	26		
5	206Y1A0505	BALA JAHNAVI	A	1	2	3	4	5	6	7	8	A	9	10	11	12	13	14	15	A	16	17	18	19	20	21	22	A	23	24	25	26		
6	206Y1A0506	BALNE SANDHYA RANI	1	2	3	4	5	A	6	7	8	9	10	11	12	A	13	14	15	16	17	18	19	A	20	21	22	23	24	25	A	26		
7	206Y1A0507	BANDI BEULAH	A	1	2	3	4	5	A	6	7	8	9	10	11	12	A	13	14	15	16	17	A	18	19	20	21	22	23	24	25	26		
8	206Y1A0508	BANDI NIHARIKA	1	2	3	4	5	6	7	A	8	9	10	11	12	13	14	A	15	16	17	18	19	A	20	21	22	23	24	A	25	26		
9	206Y1A0509	BANOTHU KALYANI	1	A	2	3	4	5	6	7	8	9	10	11	12	A	13	14	15	16	17	18	19	20	21	A	22	23	24	25	26	A		
10	206Y1A0510	BERI LAXMIPRASNNA	A	1	2	3	4	A	5	6	7	8	9	A	10	11	12	13	14	A	15	16	17	18	19	20	21	A	22	23	24	25		
11	206Y1A0511	BHAVIKA BOMMINENI	A	1	2	3	4	5	6	7	8	9	A	10	11	12	13	14	15	16	17	18	19	20	21	22	23	A	24	25	26	27		
12	206Y1A0512	BIKKINENI JAHNAVI	1	2	A	3	4	5	6	7	8	9	10	11	12	13	14	15	A	16	17	18	19	20	21	22	23	24	25	26	27	28		
13	206Y1A0513	BOINI NIHARIKA	1	2	3	4	5	6	7	A	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29		
14	206Y1A0514	BUSA SOUMYA	A	1	2	3	4	5	6	7	8	A	9	10	11	12	13	14	A	15	16	17	18	19	20	A	21	22	23	24	25	26		
15	206Y1A0515	CEPATHI SHIVANI	1	2	3	A	4	5	6	7	8	9	10	11	A	12	13	14	15	16	17	18	A	19	20	21	22	23	24	25	26	27		
16	206Y1A0516	CHENNURI SUDEEPHI	1	2	3	4	5	6	7	A	8	9	10	11	12	13	14	15	A	16	17	18	19	20	21	22	23	24	25	26	27	28		
17	206Y1A0517	CHENU APARNA	1	2	3	4	5	6	7	8	9	10	11	12	A	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29		
18	206Y1A0518	CHILUVERI KALYANI	A	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	A	17	18	19	20	21	22	A	23	24	25	26	A		
19	206Y1A0519	CHINTHA VENNELA	1	2	3	4	5	A	6	7	8	9	10	11	12	13	A	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28		
20	206Y1A0520	CHINTHIREDDY INDHU	A	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29		
21	206Y1A0521	SANJNA CHITTIMALLA	1	2	A	3	4	5	6	7	8	9	10	A	11	12	13	14	15	16	17	18	A	19	20	21	22	23	A	24	25	26		
22	206Y1A0522	SWETHA DEVULAPALLI	1	2	3	4	5	6	A	7	8	9	10	11	12	13	A	14	15	16	17	18	19	20	21	A	22	23	24	25	26	27		
23	206Y1A0523	DULLAPALLY KATHYAYANI	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		
24	206Y1A0524	ENUGALA SIMLA	1	2	A	3	4	5	6	7	8	9	10	A	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28		
25	206Y1A0525	ERRALA MANICHANDANA	A	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29		
26	206Y1A0526	ETIKALA ANJALI	23	24	3	A	4	5	6	7	A	8	9	10	11	12	13	14	15	16	17	18	A	19	20	21	22	23	24	25	A	26		
27	206Y1A0527	FARIYA NAAZ	1	2	3	A	4	5	6	7	8	9	10	11	A	12	13	14	15	16	17	18	A	19	20	21	22	23	24	25	26	27		
28	206Y1A0528	GADIDASU LAKSHMI PRASANNA	1	2	3	4	5	6	7	8	9	10	11	A	12	13	14	15	16	17	18	19	20	21	22	A	23	24	25	26	A	27		
29	206Y1A0529	GANDAM BHAVANI	1	2	3	4	5	6	A	7	8	9	10	11	12	13	14	15	16	17	18	A	19	20	21	22	23	24	A	25	26	27	A	
30	206Y1A0530	GANDESIRI SADHANA	A	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	A	28		
31	206Y1A0531	GOURISHETTY KEERTHIKA	1	2	3	4	5	A	6	7	8	9	10	11	A	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28		
32	206Y1A0532	GUNDA DEEPTHI	A	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	A	18	19	20	21	22	23	24	25	26	27	28		
33	206Y1A0533	GUNDA SAI SUPRIYA	1	2	3	4	5	A	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29		
34	206Y1A0534	INDRIPALA SHRUTHI	1	A	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29		

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WARANGAL-506371 (TS)

Academic Year : 2019-2020

RASPBERRY & OTHER PHERIPHERAL SYSTEMS

BATCH-1

Course Instructor : R.SHASHI KUMAR REDDY

[illegible]

Riya
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Ananthasagar (V), Hasanparthy (M)
WARANGAL - 506 371 (TS)

Course Co-ordinator

Academic Year : 2019-2020

RASPBERRY & OTHER PHERIPHERAL SYSTEMS

BATCH-2

Course Instructor : P.SUPRAJA

DATE :			19/10	20/10	21/10	22/10	23/10	24/10	25/10	26/10	27/10	28/10	29/10	30/10	31/10	1/11	2/11	3/11	4/11	5/11	6/11	7/11	8/11	9/11	10/11	11/11	12/11	13/11	14/11				
SNO	ROLL NO	NAME	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
1	206Y1A0535	JANAGAMA SWATHI	1	2	3	4	5	6	7	8	9	10	11	A	12	13	14	15	16	17	18	19	20	21	22	23	24	25	A	26	27	28	
2	206Y1A0536	KALVALA SRI TEJASWI	1	2	3	4	5	6	7	8	9	10	11	12	13	A	14	15	16	17	18	19	20	21	22	23	24	25	A	26	27	28	
3	206Y1A0537	KANUGANTI MANASA	1	2	3	4	A	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	
4	206Y1A0538	KANUKUNTLA SWAPNASRI	1	2	3	4	5	6	7	A	8	9	10	11	12	13	14	15	16	17	18	19	20	21	A	22	23	24	25	26	27	28	
5	206Y1A0539	KAPPALA SRILATHA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29		
6	206Y1A0540	KASURI RAMYA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
7	206Y1A0541	KAWADE JYOTHI	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
8	206Y1A0542	KESHIREDDY. VEDASREE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
9	196Y1A0434	ELUGOTI SAI MEGHANA	1	2	3	4	5	6	7	8	9	10	11	12	13	A	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
10	196Y1A0435	ELUKA SUCHITHA	1	2	3	4	5	6	7	8	9	10	11	12	13	A	14	15	16	17	18	19	20	21	A	22	23	24	25	26	27	28	
11	196Y1A0436	ERRABELLI PRANATHI	1	2	3	4	A	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
12	196Y1A0437	ERRABELLI PRANUSHA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	A	23	24	25	26	27	28	29	
13	196Y1A0438	ERUKULLA SWETHA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
14	196Y1A0440	GADE GOWTHAMI	1	2	3	4	5	6	7	8	9	10	11	12	A	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	
15	196Y1A0441	GADUDASU SRIVIDYA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	A	21	22	23	24	25	26	27	28	29	
16	196Y1A0442	GAI DHAKSHAYANI	1	2	3	4	5	6	7	8	9	A	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
17	196Y1A0443	GANABOINA RACHANA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	A	26	27	28	29	
18	196Y1A0444	GATTIKOPPULA INDRAJA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
19	196Y1A0445	GOGIKAR PRATHUSHA	1	A	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
20	196Y1A0446	GORANTALA SHREYA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	A	19	20	21	22	23	24	25	26	27	28	29	
21	196Y1A0447	GURRAM AKHILA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
22	196Y1A0448	ILAPURAM ANKITHA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
23	196Y1A0449	JAKKULA SUPRAJA YADAV	1	2	3	4	5	6	7	8	9	10	11	12	A	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	
24	196Y1A0450	JANGA PRIYANKA	1	2	3	4	A	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
25	196Y1A0451	KARLAPATI SAMYUKTHA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	A	21	22	23	24	25	26	27	28	29	30
26	196Y1A0452	KATTA SAHASRA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	A	21	22	23	24	25	26	27	28	29	
27	196Y1A0453	KESHIREDDY VASAVI	1	2	3	4	5	6	7	8	9	10	11	A	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	
28	196Y1A0454	KOMATIREDDY SHRAVYA	1	2	3	4	5	6	7	8	9	10	11	A	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	
29	176Y1A0211	KATHA NITHYA Koushika	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	A	25	26	27	28	29	
30	176Y1A0212	LAKAVATH INDHUJA	1	2	3	4	5	6	A	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
31	176Y1A0213	M VARALAXMI	A	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	A	27	28	29	
32	186Y1A0439	GUDURU YASHASWI	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
33	186Y1A0440	HARINI ALUGURI	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
34	186Y1A0441	HUMERA AZIZ	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
35	186Y1A0442	JANGALA BHARGAVI	1	2	3	4	5	6	7	A	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	

Sumathi Reddy Institute of Technology for Women

Ananthasagar (V) Hasangarh (M)

WABANGAL-500370 D.S.

RASPBERRY & OTHER PHERIPHERAL SYSTEMS

BATCH-2

Course Instructor : P.SUPRAJA

[illegible]

Academic Year :- 2019-2020

RASPBERRY & OTHER PHERIPHERAL SYSTEMS

BATCH-2

Course Instructor : P.SUPRAJA

DATE :			BATCH-2														Course Instructor : P.SUPRAJA																	
SNO	ROLL NO	NAME	19/10	19/10	20/10	20/10	22/10	23/10	24/10	25/10	26/10	26/10	27/10	28/10	30/10	31/10	1/11	2/11	4/11	5/11	5/11	6/11	6/11	7/11	7/11	8/11	11/11	12/11	13/11	14/11				
36	186Y1A0443	KALAKOTA NANDINI	1	2	A	3	4	5	6	7	8	9	10	11	12	A	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
37	186Y1A0444	KALLURI NIRUPAMA SHAILU	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		
38	186Y1A0445	KANKANALA NAVEENA	1	2	3	4	5	6	7	8	9	A	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
39	186Y1A0446	KOKKULA NIKITHA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		
40	186Y1A0447	KONAGALA VYSHNAVI	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	A	17	18	19	20	21	22	23	24	25	A	26	27	28		
41	186Y1A0448	KONNEY AAMUKTA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		
42	186Y1A0449	KOTHA RAKSHITHA	1	2	3	4	5	6	7	A	8	9	10	11	12	13	14	15	16	17	18	19	20	A	21	22	23	24	25	26	27	28	29	
43	186Y1A0450	LINGAMPALLY RAMYA	1	2	3	4	5	6	7	8	9	10	11	12	A	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29		
44	186Y1A0451	MANDA SRI TEJA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		
45	196Y1A0477	RACHARALA TEJASRI	1	2	3	4	A	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	A	26	27	28		

Rijan

Principal

Sumathi Reddy Institute of Technology for Women

Ananthasagar (M), Hasanparthy (M)

WARANGAL - 508 371 (TS)

BATCH-2

[illegible]

Sushli
Course Co-ordinator

Rijan
Principal
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INSTITUTE OF TECHNOLOGY FOR WOMEN

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Students Eligible for Certification as per Eligibility Criteria

Course: Raspberry Pi & Other Peripheral Systems

Date: 19-10-2019 to 22-11-2019

S.No	Roll number	Name	Marks
1	206Y1A0501	ADEPU SUMANA RUSHI	20
2	206Y1A0502	ADHI VARSHA	22
3	206Y1A0503	ALLI KAVYA	18
4	206Y1A0504	AYESHA NISHATH	19
5	206Y1A0505	BALA JAHNAVI	20
6	206Y1A0506	BALNE SANDHYA RANI	21
7	206Y1A0507	BANDI BEULAH	21
8	206Y1A0508	BANDI NIHARIKA	22
9	206Y1A0509	BANOTHU KALYANI	21
10	206Y1A0510	BERI LAXMIPRASANNA	20
11	206Y1A0511	BHAVIKA BOMMINENI	20
12	206Y1A0512	BIKKINENI JAHNAVI	22
13	206Y1A0513	BOINI NIHARIKA	18
14	206Y1A0514	BUSA SOUMYA	19
15	206Y1A0515	CEPATHI SHIVANI	20
16	206Y1A0516	CHENNURI SUDEEPTHI	21
17	206Y1A0517	CHENU APARNA	21
18	206Y1A0518	CHILUVERI KALYANI	22
19	206Y1A0519	CHINTHA VENNELA	21
20	206Y1A0520	CHINTHIREDDY INDHU	20
21	206Y1A0521	SANJNA CHITTIMALLA	20
22	206Y1A0522	SWETHA DEVULAPALLI	22
23	206Y1A0523	DULLAPPELLY KATHYAYANI	18
24	206Y1A0524	ENUGALA SIMLA	19
25	206Y1A0525	ERRALA MANICHANDANA	20
26	206Y1A0526	ETIKALA ANJALI	21
27	206Y1A0527	FARIYA NAAZ	21
28	206Y1A0528	GADIDASU LAKSHMI PRASANNA	22
29	206Y1A0529	GANDAM BHAVANI	21
30	206Y1A0530	GANDESIRI SADHANA	20
31	206Y1A0531	GOURISHETTY KEERTHIKA	20
32	206Y1A0532	GUNDA DEEPTHI	22
33	206Y1A0533	GUNDA SAI SUPRIYA	18
34	206Y1A0534	INDRIPALA SHRUTHI	19
35	206Y1A0535	JANAGAMA SWATHI	20
36	206Y1A0536	KALVALA SRI TEJASWI	21

Rajan
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Ananthasagar (M), Hasanparthy (M)
WARANGAL - 506 371 (TS)



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37	206Y1A0537	KANUGANTI MANASA	21
38	206Y1A0540	KASURI RAMYA	22
39	206Y1A0541	KAWADE JYOTHI	21
40	206Y1A0542	KESHIREDDY. VEDASREE	20
41	196Y1A0434	ELUGOTI SAI MEGHANA	20
42	196Y1A0435	ELUKA SUCHITHA	22
43	196Y1A0436	ERRABELLI PRANATHI	18
44	196Y1A0437	ERRABELLI PRANUSHA	19
45	196Y1A0438	ERUKULLA SWETHA	20
46	196Y1A0440	GADE GOWTHAMI	21
47	196Y1A0441	GADUDASU SRIVIDYA	21
48	196Y1A0442	GAI DHAKSHAYANI	22
49	196Y1A0443	GANABOINA RACHANA	21
50	196Y1A0444	GATTIKOPPULA INDRAJA	20
51	196Y1A0445	GOGIKAR PRATHUSHA	20
52	196Y1A0446	GORANTALA SHREYA	22
53	196Y1A0447	GURRAM AKHILA	18
54	196Y1A0448	ILAPURAM ANKITHA	19
56	196Y1A0449	JAKKULA SUPRAJA YADAV	20
57	196Y1A0450	JANGA PRIYANKA	21
58	196Y1A0451	KARLAPATI SAMYUKTHA	21
59	176Y1A0213	M VARALAXMI	22
60	186Y1A0439	GUDURU YASHASWI	21
61	186Y1A0440	HARINI ALUGURI	20
62	186Y1A0441	HUMERA AZIZ	20
63	186Y1A0442	JANGALA BHARGAVI	22
64	186Y1A0443	KALAKOTA NANDINI	18
65	186Y1A0444	KALLURI NIRUPAMA SHAILU	19
66	186Y1A0445	KANKANALA NAVEENA	20
67	186Y1A0446	KOKKULA NIKITHA	21
68	186Y1A0447	KONAGALA VYSHNAVI	21
69	186Y1A0448	KONNEY AAMUKTA	22
70	186Y1A0449	KOTHA RAKSHITHA	21
71	186Y1A0450	LINGAMPALLY RAMYA	20
72	186Y1A0451	MANDA SRI TEJA	20

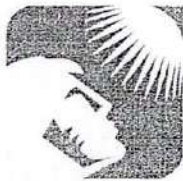
Sumathi

Course-coordinator

Rajan

Principal

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Phoneno: 0870-2818302. Email: principal@sritw.org
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18-444

K- Nisrupa Shailu
Test (Raspberry PI & other Peripheral systems)

Marks: 25

Duration: 1hr

1. The Raspberry Pi is defined as the?

- a) Minicomputer b) Micro Computer c) Mega Computer d) Nano Computer

[a] ✓

2. Raspberry Pi consists of a _____ quad-core processor or microprocessor.

- a) 16-bit b) 32-bit c) 64-bit d) 128-bit

[c] ✓

3. How power supply is done to RPi?

- a) USB connection b) Internal battery c) Charger d) Adapter

[a] ✓

4. How much RAM, the Raspberry Pi has?

- a) 2GiB of RAM b) 1GiB of RAM c) 4GiB of RAM d) 8GiB of RAM

[d] ✗

5. How many Input/output pins on board Raspberry Pi3 has?

- a) 20 b) 30 c) 40 d) 50

[c] ✓

6. Which of the following is a not type of Raspberry Pi?

- a) Raspberry Pi Alternatives b) Raspberry Pi Zero W
c) Raspberry Pi 3 Model B+ d) Raspberry Pi 3 Model A+

[b] ✗

7. Which operating system Raspberry Pi has?

- a) Linux b) OpenBSD c) NetBSD d) All of the above

[d] ✓

8. Does Raspberry Pi need external hardware?

- a) TRUE b) FALSE c) Can be true or false d) Cannot say

[b] ✓

9. What do we use to connect TV to RPi?

- a) Male HDMI b) Female HDMI
c) Male HDMI and Adapter d) Female HDMI and Adapter

[c] ✓

10. What are the parameters that are default values?

- a) Port Name and Bits b) Speed and Port Names c) Speed and Parity d) Stop bit and Flow Control

[b] ✓

11. The Raspberry Pi is defined as the _____

- a) Micro Computer b) Mega Computer c) Minicomputer d) Nano Computer

[b] ✗

12. Raspbian is _____

- a) Assembler b) Language c) Compiler d) OS

[d] ✓

13. Raspberry Pi consists of a _____ quad-core processor or microprocessor.

- a) 16-bit b) 32-bit c) 64-bit d) 128-bit

[c] ✓

Rijan

Principal

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14. The Raspberry Pi has a _____ interface to allow it to perform serial data Communications.

- a) UART b) GPIO c) I2C d) SPI

[c] ✓

15. How many USB ports are present in Raspberry Pi 3?

- a) 5 b) 2 c) 4 d) 3

[c] ✓

16. What bit processor is used in Pi 3?

- a) 64-bit b) 32-bit c) 128-bit d) Both 64 and 32 bit

[a] ✓

17. What is the speed of operation in Pi 3?

- a) 900MHz b) 1.2GHz c) 1GHz d) 500MHz

[b] ✓

18. What is the Ethernet/LAN cable used in RPi?

- a) Cat5 b) Cat5e c) Cat6 d) RJ45

[b] ✓

19. How many Input/output pins on board Raspberry Pi3 has?

- a) 20 b) 30 c) 40 d) 50

[b] ✓

20. How much RAM, the Raspberry Pi has?

- a) 2GiB of RAM b) 1GiB of RAM
c) 4GiB of RAM d) 8GiB of RAM

[b] ✓

21. What is the maximum peripheral current draw allowed in Raspberry Pi 3?

- a) 1200 Ma b) 700 Ma c) 500 Ma d) 100 mA

[a] ✓

22. What does GPIO stand for?

- a) General Purpose Inner Outer Propeller b) General Purpose Input Output Pins
c) Generally Powered Input Output Pins d) General Purpose Input Output Processor

[c] ✓

23. What do we use to connect TV to RPi?

- a) Male HDMI b) Female HDMI
c) Male HDMI and Adapter d) Female HDMI and Adapter

[c] ✓

24. Data collected by Raspberry Pi from the sensor can be

- a) Processed in Raspberry Pi b) Sent to other devices connected to the network
c) Used to control/activate other devices in the network d) All of the above

[d] ✓

25. Which operating system Raspberry Pi has?

- a) Linux b) OpenBSD c) NetBSD d) All of the above

[d] ✓

Rijan

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18-448

K. Amuktha

Test (Raspberry Pi & other Peripheral systems)

Marks: 25

Duration: 1hr

1. The Raspberry Pi is defined as the?

- a) Minicomputer b) Micro Computer c) Mega Computer d) Nano Computer

[a] ✓

2. Raspberry Pi consists of a _____ quad-core processor or microprocessor.

- a) 16-bit b) 32-bit c) 64-bit d) 128-bit

[c] ✓

3. How power supply is done to RPi?

- a) USB connection b) Internal battery c) Charger d) Adapter

[c] ✗

4. How much RAM, the Raspberry Pi has?

- a) 2GiB of RAM b) 1GiB of RAM c) 4GiB of RAM d) 8GiB of RAM

[c] ✗

5. How many Input/output pins on board Raspberry Pi3 has?

- a) 20 b) 30 c) 40 d) 50

[c] ✓

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c) Raspberry Pi 3 Model B+ d) Raspberry Pi 3 Model A+

[d] ✓

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- a) Linux b) OpenBSD c) NetBSD d) All of the above

[d] ✓

8. Does Raspberry Pi need external hardware?

- a) TRUE b) FALSE c) Can be true or false d) Cannot say

[d] ✗

9. What do we use to connect TV to RPi?

- a) Male HDMI b) Female HDMI
c) Male HDMI and Adapter d) Female HDMI and Adapter

[c] ✓

10. What are the parameters that are default values?

- a) Port Name and Bits b) Speed and Port Names c) Speed and Parity d) Stop bit and Flow Control

[b] ✓

11. The Raspberry Pi is defined as the _____

- a) Micro Computer b) Mega Computer c) Minicomputer

[c]
d) Nano Computer ✓

12. Raspbian is _____

- a) Assembler b) Language c) Compiler d) OS

[d] ✓

13. Raspberry Pi consists of a _____ quad-core processor or microprocessor.

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[c] ✓

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- a) Cat5 b) Cat5e c) Cat6 d) RJ45

[d] ✓

19. How many Input/output pins on board Raspberry Pi3 has?

- a) 20 b) 30 c) 40 d) 50

[c] ✓

20. How much RAM, the Raspberry Pi has?

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21. What is the maximum peripheral current draw allowed in Raspberry Pi 3?

- a) 1200 Ma b) 700 Ma c) 500 Ma d) 100 mA

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c) Generally Powered Input Output Pins d) General Purpose Input Output Processor

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23. What do we use to connect TV to RPi?

- a) Male HDMI b) Female HDMI
c) Male HDMI and Adapter d) Female HDMI and Adapter

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c) Used to control/activate other devices in the network d) All of the above

[d] ✓

25. Which operating system Raspberry Pi has?

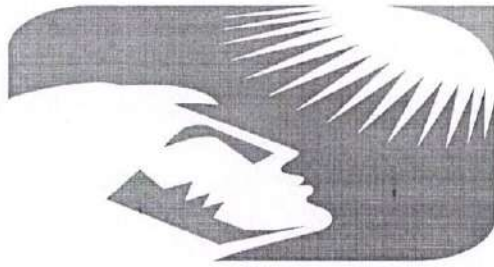
- a) Linux b) OpenBSD c) NetBSD d) All of the above

[d] ✓

Rijan

Principal

**Sumathi Reddy Institute of Technology for Women
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WARANGAL - 506 371 (TS)**



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INSTITUTE OF TECHNOLOGY FOR WOMEN

L e a r n i n g a t i t s b e s t

Certificate of Completion

This certificate is awarded to **BALNE SANDHYA RANI** bearing 206Y1A0506 on successful completion of the course entitled Raspberry PI & Other Pheripheral Systems from 19-10-2019 to 22-11-2019.

Ms. T. Sruthi
Coordinator

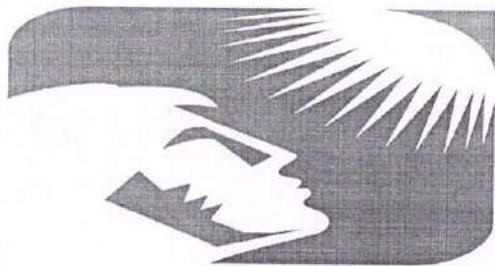
Dr. E. Sudarshan
Head of the Department



Dr. I. Rajasri Reddy
Principal

Rajai
Principal

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This certificate is awarded to **INDRIPALA SHRUTHI** bearing 206Y1A0534 on successful completion of the course entitled Raspberry PI & Other Pheripheral Systems from 19-10-2019 to 22-11-2019.

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Dr. E. Sudarshan
Head of the Department

Dr. I. Rajasri Reddy
Principal



Rajai
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