



Sri Shridevi Charitable Trust (R.)

SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY

(Recognised by Govt. of Karnataka, Affiliated to VTU, Belagavi and Approved by AICTE, New Delhi)

Sira Road, Tumakuru - 572 106. Karnataka.

Phone: 0816-2212629 | Fax: 0816-2212628 | Email: info@shrideviengineering.org | Web: <http://www.shrideviengineering.org>

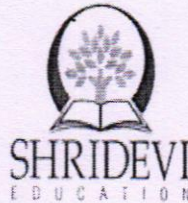


An ISO 9001:2015 Certified Institution

SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY

SIRA ROAD, TUKAKURU

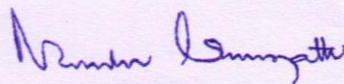
DEPARTMENT OF ELECTRONICS & COMMUNICATION
ENGINEERING.



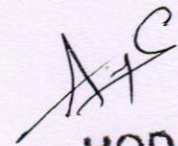
A REPORT ON

“SIET ELECTRONICS & COMMUNICATION CERIFICATION
COURSE”

2022-23



PRINCIPAL
SIET, TUMAKURU.


HOD
Dept of E&C
SiET, Tumkur-6



SHRIDEVI
EDUCATION

Sri Shridevi Charitable Trust (R.)
SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY

Sira Road, Tumkur - 572 106, Karnataka, India.

Phone: 0816 - 2212629 | Principal: 0816 - 2212627, 9686114899 | Telefax: 0816 - 2212628

Email: info@shrideviengineering.org, principal@shrideviengineering.org | Website: www.shrideviengineering.org

(Approved by AICTE, New Delhi, Recognised by Govt. of Karnataka and Affiliated to Visvesvaraya Technological University, Belagav

ESTD: 2002



ACADEMIC YEAR 2022-2023

The following is the list of students undergone the value added course on "IOT and EMBEDDED SYSTEMS" for a duration of one weeks from 29th October 2022 to 20th November 2022.

Academic year 2022-23 (7th sem)

SI No	Name of the Student	USN	Student signature
1.	AKASH DODAMANI	1SV19EC001	<i>Akash</i>
2.	AKHILESH YADAV	1SV19EC002	<i>Akhil</i>
3.	ARBIYA SULTANA	1SV19EC003	<i>Arbiya</i>
4.	BHAVANA U	1SV19EC005	<i>Bhavana</i>
5.	BHOOMIKA D	1SV19EC006	<i>Bhoomika</i>
6.	CRISPINA VIOLET P	1SV19EC008	<i>Crispina</i>
7.	DIVYA POL	1SV19EC010	<i>Divya</i>
8.	GAGANA V	1SV19EC011	<i>Gagana</i>
9.	GOWRAMMA S	1SV19EC012	<i>Gowamma</i>
10.	HARSHITHA M	1SV19EC013	<i>Harshitha</i>
11.	K S SANTHOSH	1SV19EC014	<i>Ksanthosh</i>
12.	K SANJAY	1SV19EC015	<i>Sanjay</i>
13.	LOKESHWARI KOTI B S	1SV19EC016	<i>Lokeshwari</i>
14.	MEGHANA R	1SV19EC017	<i>Meghana</i>
15.	MUSKAN ZAHID	1SV19EC018	<i>Muskan</i>
16.	NALINA D K	1SV19EC019	<i>Nalina</i>
17.	PREETHIKA A S	1SV19EC021	<i>Preethika</i>
18.	PRIYADARSHINI M	1SV19EC022	<i>Priya</i>
19.	REHAMAN KHAN H K	1SV19EC023	<i>Rehaman</i>
20.	SAHIL SALAM	1SV19EC025	<i>Sahil</i>
21.	SANIYA FATHIMA	1SV19EC027	<i>Saniya</i>
22.	SHARANAKUMAR	1SV19EC028	<i>Sharan</i>
23.	SUPRIYA N	1SV19EC029	<i>Supriya</i>
24.	M BHAVANI SHANKAR	1SV19EC032	<i>Mbhavani</i>
25.	GANASHREE K R	1SV20EC401	<i>Ganashree</i>

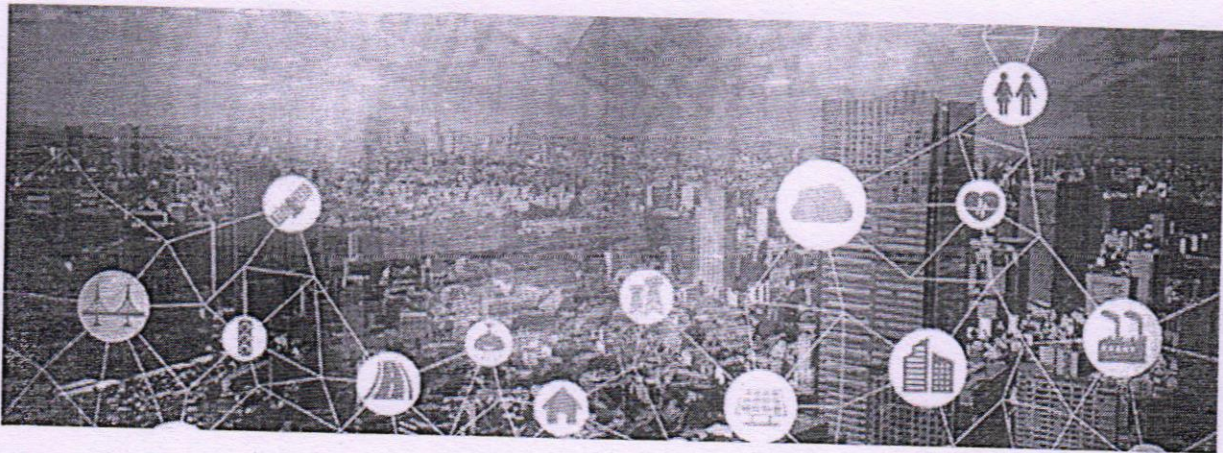
[Signature]
Coordinator

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PRINCIPAL
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HOD
HOD
Dept of E&C
SIET, Tumkur-6

What Is the Internet of Things (IoT)?

The Internet of Things (IoT) is a popular buzzword right now, but unlike many fads which have come and gone, the Internet of Things describes an important trend which is having lasting effects on society at large. The term itself, "Internet of Things", is used to mean a variety of ideas, depending on the motivation and background of the speaker. This course will start by providing a definition of the term. We will talk about how various trends have enabled the Internet of Things, and how it changes the way design is performed. We will also discuss some of the ramifications that IoT is having on society today.



Embedded Systems

In Module 1, we introduced the concept of the Internet of Things at a high level, defining the term and outlining its implications. In this module we explore some of the details involved in the design and implementation of IoT devices. Unlike traditional computer-based systems, IoT devices are "embedded" within other devices in order to provide enhanced functionality without exposing the user to the complexities of a computer. The users interact with the device in a natural way, similar to their interactions with any other objects in the world. In this way, an embedded system has an interface that conforms to the expectations and needs of the users. Establishing a natural interface requires that the embedded system interface with the physical world directly through sensors, which read the state of the world, and actuators, which change the state of the world. In this module we will discuss the structure of embedded systems and describe these interactions with the physical world.

Hardware and Software

IoT devices are implemented using both hardware and software components. Dedicated hardware components are used to implement the interface with the physical world, and to perform tasks which are more computationally complex. Microcontrollers are used to

SiMS-Proposal for Embedded – IoT based on Arduino/Raspberry Pi/C++

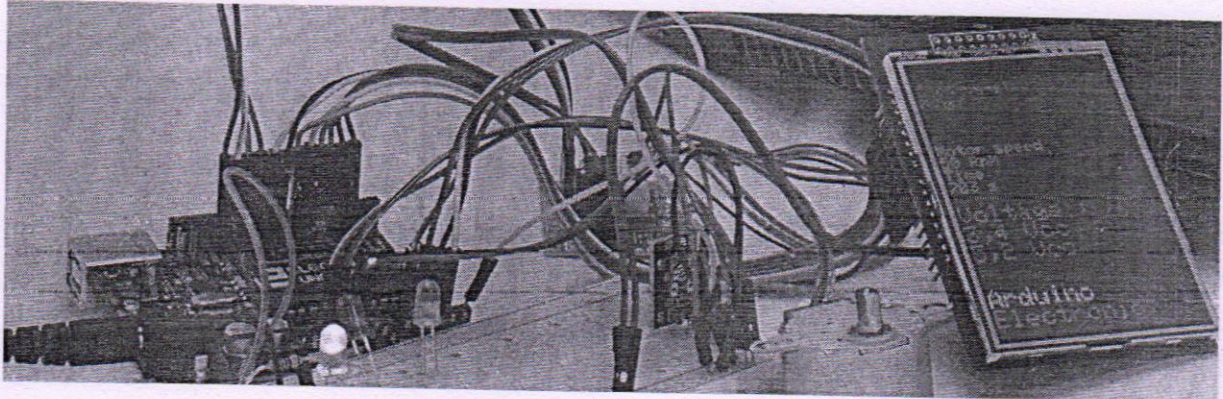
Principals Signature

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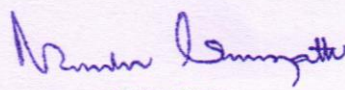
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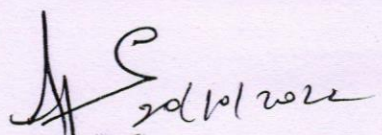
execute software that interprets inputs and controls the system. This module discusses the roles of both the hardware and software components in the system. The functions of common hardware components are described and the interface between the software and hardware through the microcontroller is explained. IoT devices often use an operating system to support the interaction between the software and the microcontroller. We will define the role of an operating system in an IoT device and how an IoT operating system differs from a standard one.



Networking and the Internet

An important aspect of the Internet of Things is that devices are networked in some way, and often connected to the Internet. Networking enables devices to communicate with other IoT devices and larger cloud-based servers. IoT devices can often be thought of as small parts of a much larger collective system which includes large servers based in the cloud. This module will introduce the basics of networking and the Internet protocol in particular. Eventually, most IoT devices are connected to the Internet, so understanding the protocols associated with the Internet is important to the design of IoT devices.


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Ref: SIET/EC/2022-23/01

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

APPROVAL LETTER

To,
The Principal,
SIET, Tumakuru

Respected Sir,

Sub: - Approval for Organizing Students Training Program on "IOT and EMBEDDED SYSTEMS"-Reg.

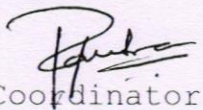
With reference to the subject cited above, I would like to bring to your kind notice that, the Department is planned to organize Student Training Program on "IOT and EMBEDDED SYSTEMS" from "29th October 2022 to 20 November 2022" for 7th semester Electronics & communication engineering students.

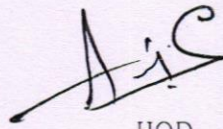
Kindly consider the above request and approve the same for further proceedings.

Thanking you

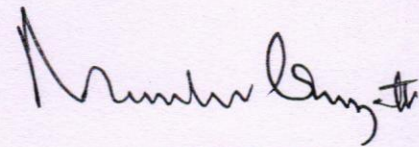
Date: 20/10/2022

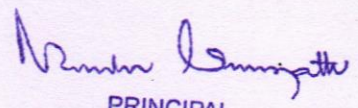
Place: SIET, Tumakuru.


Coordinator


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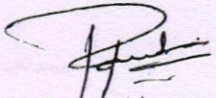


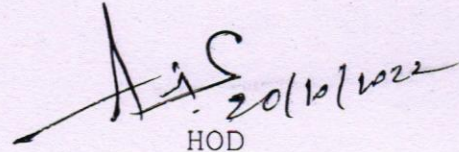
DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Date: 20/10/2022

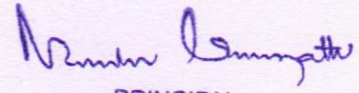
Circular

It is hereby informed to all 7th semester students that the "IOT & EMBEDDED SYSTEMS" training course from "29th October 2022 to 20th November 2022" will be conducted all students are informed to attend the training course without fail.


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ACADEMIC YEAR 2022-2023

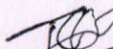
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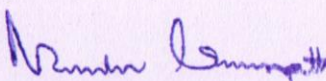
ACADEMIC YEAR 2022-2023 (7th Sem)

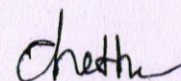
Sl No	Name of the Student	USN	Date:29/9		Date:30/9		Date:5/9		Date:6/9		Date:12/9		Date:13/9	
			M (9AMto 1PM)	A (2PMto 5PM)	M (9AMto 1PM)	A (2PMto 5PM)	M (9AMto 1PM)	A (2PMto 5PM)	M (9AMto 1PM)	A (2PMto 5PM)	M (9AMto 1PM)	A (2PMto 5PM)	M (9AMto 1PM)	A (2PMto 5PM)
1	ANIKET ASHOK NEJE	1SV18EC001	Ani	Neje	Ani	Neje	Ani	Neje	Ani	Neje	Ani	Neje	Ani	Neje
2	ARUN N R	1SV18EC003	Arun	N R	Arun	N R	Arun	N R	Arun	N R	Arun	N R	Arun	N R
3	AKASH DODAMANI	1SV19EC001	Akash	Dodamani	Akash	Dodamani	Akash	Dodamani	Akash	Dodamani	Akash	Dodamani	Akash	Dodamani
4	AKHILESH YADAV	1SV19EC002	Akhilesh	Yadav	Akhilesh	Yadav	Akhilesh	Yadav	Akhilesh	Yadav	Akhilesh	Yadav	Akhilesh	Yadav
5	ARBIYA SULTANA	1SV19EC003	Arbiya	Sultana	Arbiya	Sultana	Arbiya	Sultana	Arbiya	Sultana	Arbiya	Sultana	Arbiya	Sultana
6	BHAVANA U	1SV19EC005	Bhavana	U	Bhavana	U	Bhavana	U	Bhavana	U	Bhavana	U	Bhavana	U
7	BHOOMIKA D	1SV19EC006	Bhoomika	D	Bhoomika	D	Bhoomika	D	Bhoomika	D	Bhoomika	D	Bhoomika	D
8	CHANDAN M U	1SV19EC007	Chandan	M U	Chandan	M U	Chandan	M U	Chandan	M U	Chandan	M U	Chandan	M U
9	CRISPINA VIOLET P	1SV19EC008	Crispina	Violet P	Crispina	Violet P	Crispina	Violet P	Crispina	Violet P	Crispina	Violet P	Crispina	Violet P
10	DARSHAN M MANCHIKOPPAD	1SV19EC009	Darshan	M Manchikoppad	Darshan	M Manchikoppad	Darshan	M Manchikoppad	Darshan	M Manchikoppad	Darshan	M Manchikoppad	Darshan	M Manchikoppad
11	DIVYA POL	1SV19EC010	Divya	Pol	Divya	Pol	Divya	Pol	Divya	Pol	Divya	Pol	Divya	Pol
12	GAGANA V	1SV19EC011	Gagana	V	Gagana	V	Gagana	V	Gagana	V	Gagana	V	Gagana	V
13	GOWRAMMA S	1SV19EC012	Gowramma	S	Gowramma	S	Gowramma	S	Gowramma	S	Gowramma	S	Gowramma	S
14	HARSHITHA M	1SV19EC013	Harshitha	M	Harshitha	M	Harshitha	M	Harshitha	M	Harshitha	M	Harshitha	M
15	K S SANTHOSH	1SV19EC014	K S	Santhosh	K S	Santhosh	K S	Santhosh	K S	Santhosh	K S	Santhosh	K S	Santhosh
16	K SANJAY	1SV19EC015	K	Sanjay	K	Sanjay	K	Sanjay	K	Sanjay	K	Sanjay	K	Sanjay
17	LOKESHWARI KOTI B S	1SV19EC016	Lokeshwari	Koti B S	Lokeshwari	Koti B S	Lokeshwari	Koti B S	Lokeshwari	Koti B S	Lokeshwari	Koti B S	Lokeshwari	Koti B S
18	MEGHANA R	1SV19EC017	Meghana	R	Meghana	R	Meghana	R	Meghana	R	Meghana	R	Meghana	R
19	MUSKAN ZAHID	1SV19EC018	Muskan	Zahid	Muskan	Zahid	Muskan	Zahid	Muskan	Zahid	Muskan	Zahid	Muskan	Zahid
20	NALINA D K	1SV19EC019	Nalina	D K	Nalina	D K	Nalina	D K	Nalina	D K	Nalina	D K	Nalina	D K
21	PREETHIKA A S	1SV19EC021	Preethika	A S	Preethika	A S	Preethika	A S	Preethika	A S	Preethika	A S	Preethika	A S
22	PRIYADARSHINI M	1SV19EC022	Priyadarshini	M	Priyadarshini	M	Priyadarshini	M	Priyadarshini	M	Priyadarshini	M	Priyadarshini	M
23	REHAMAN KHAN H K	1SV19EC023	Rehaman	Khan H K	Rehaman	Khan H K	Rehaman	Khan H K	Rehaman	Khan H K	Rehaman	Khan H K	Rehaman	Khan H K
24	SAHIL SALAM	1SV19EC025	Sahil	Salam	Sahil	Salam	Sahil	Salam	Sahil	Salam	Sahil	Salam	Sahil	Salam
25	SANIYA FATHIMA	1SV19EC027	Saniya	Fathima	Saniya	Fathima	Saniya	Fathima	Saniya	Fathima	Saniya	Fathima	Saniya	Fathima
26	SHARANAKUMAR	1SV19EC028	Sharanakumar		Sharanakumar		Sharanakumar		Sharanakumar		Sharanakumar		Sharanakumar	
27	SUPRIYA N	1SV19EC029	Supriya	N	Supriya	N	Supriya	N	Supriya	N	Supriya	N	Supriya	N
28	YASHWANTH C	1SV19EC030	Yashwanth	C	Yashwanth	C	Yashwanth	C	Yashwanth	C	Yashwanth	C	Yashwanth	C
29	M BHAVANI SHANKAR	1SV19EC032	M Bhavani	Shankar	M Bhavani	Shankar	M Bhavani	Shankar	M Bhavani	Shankar	M Bhavani	Shankar	M Bhavani	Shankar
30	PrekshaNayak	1SV19EC033	Preksha	Nayak	Preksha	Nayak	Preksha	Nayak	Preksha	Nayak	Preksha	Nayak	Preksha	Nayak
31	BINDU T S	1SV20EC400	Bindu	T S	Bindu	T S	Bindu	T S	Bindu	T S	Bindu	T S	Bindu	T S
32	GANASHREE K R	1SV20EC401	Ganashree	K R	Ganashree	K R	Ganashree	K R	Ganashree	K R	Ganashree	K R	Ganashree	K R
33	LAVANYA K R	1SV20EC402	Lavanya	K R	Lavanya	K R	Lavanya	K R	Lavanya	K R	Lavanya	K R	Lavanya	K R

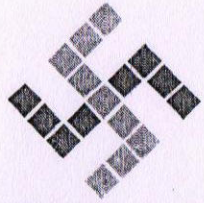
Nandini Srinivasan
PRINCIPAL
SIET, TUMAKURU.

Sl No	Name of the Student	USN	Date: 20/9	
			M (9to01)	A (2to05)
1	ANIKET ASHOK NEJE	1SV18EC001	AA	A
2	ARUN N R	1SV18EC003	AA	AA
3	AKASH DODAMANI	1SV19EC001	B	B
4	AKHILESH YADAV	1SV19EC002	B	B
5	ARBIYA SULTANA	1SV19EC003	C	C
6	BHAVANA U	1SV19EC005	B	B
7	BHOOMIKA D	1SV19EC006	B	B
8	CHANDAN M U	1SV19EC007	C	C
9	CRISPINA VIOLET P	1SV19EC008	C	C
10	DARSHAN M MANCHIKOPPAD	1SV19EC009	D	D
11	DIVYA POL	1SV19EC010	D	D
12	GAGANA V	1SV19EC011	C	C
13	GOWRAMMA S	1SV19EC012	C	C
14	HARSHITHA M	1SV19EC013	H	H
15	K S SANTHOSH	1SV19EC014	K	K
16	K SANJAY	1SV19EC015	S	S
17	LOKESHWARI KOTI B S	1SV19EC016	L	L
18	MEGHANA R	1SV19EC017	M	M
19	MUSKAN ZAHID	1SV19EC018	M	M
20	NALINA D K	1SV19EC019	N	N
21	PREETHIKA A S	1SV19EC021	P	P
22	PRIYADARSHINI M	1SV19EC022	P	P
23	REHAMAN KHAN H K	1SV19EC023	R	R
24	SAHIL SALAM	1SV19EC025	S	S
25	SANIYA FATHIMA	1SV19EC027	S	S
26	SHARANAKUMAR	1SV19EC028	S	S
27	SUPRIYA N	1SV19EC029	S	S
28	YASHWANTH C	1SV19EC030	Y	Y
29	M BHAVANI SHANKAR	1SV19EC032	M	M
30	PrekshaNayak	1SV19EC033	P	P
31	BINDU T S	1SV20EC400	B	B
32	GANASHREE K R	1SV20EC401	G	G
33	LAVANYA K R	1SV20EC402	L	L


Course Instructor


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SIET., TUMAKURU


Technical program Head



**Silicon
microsystems**

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PARTICIPATION CERTIFICATE

This Certifies that
Meghana.R bearing USN-15V19EC014 of 7th sem of
Department of ECE, SIET, Tumkur.
has completed one weeks training program on
IOT and EMBEDDED SYSTEMS

at our company from Date 29/10/2022 to Date 20/11/2022

We found him / her sincere, hardworking, dedicated and result oriented.

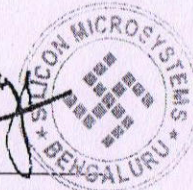
He / She worked well as a part of the team & as an Individual during his / her tenure.

We take this opportunity to thank him / her and wish him / her all the best for the future.

Nandini Srinivas
PRINCIPAL
SIET., TUMAKURU


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SKILL UNIVERSITY
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M.S. Jayachandra Aradhya
M.S.JAYACHANDRA ARADHYA
DIRECTOR
SILICON MICROSYSTEMS
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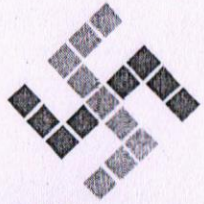
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We found him / her sincere, hardworking, dedicated and result oriented.

He / She worked well as a part of the team & as an Individual during his / her tenure.

We take this opportunity to thank him / her and wish him / her all the best for the future.

Manjunath

PRINCIPAL
SIET., TUMAKURU.



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SKILL UNIVERSITY

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M.S. Jayachandra Aradhya

M.S. JAYACHANDRA ARADHYA
DIRECTOR
SILICON MICROSYSTEMS
BENGALURU





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EDUCATION

Sri Shridevi Charitable Trust (R.)

SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY

Sira Road, Tumkur - 572 106, Karnataka, India.

Phone: 0816 - 2212629 | Principal: 0816 - 2212627, 9686114899 | Telefax: 0816 - 2212628

Email: info@shrideviengineering.org, principal@shrideviengineering.org | Website: www.shrideviengineering.org

(Approved by AICTE, New Delhi, Recognised by Govt. of Karnataka and Affiliated to Visvesvaraya Technological University, Belagavi)

ESTD: 2002



ACADEMIC YEAR 2022-2023

The following is the list of students undergone the value added course on "RASPBERRY Pi PLATFORM & PYTHON PROGRAMMING" for a duration of one weeks 6th February 2023 to 11th February 2023.

Academic year 2022-23 (8th sem)

SI No	Name of the Student	USN	Student signature
1.	AKASH DODAMANI	1SV19EC001	<i>Akash</i>
2.	ARBIYA SULTANA	1SV19EC003	<i>Arbiya</i>
3.	BHAVANA U	1SV19EC005	<i>Bhavana</i>
4.	BHOOMIKA D	1SV19EC006	<i>Bhoomika</i>
5.	CRISPINA VIOLET P	1SV19EC008	<i>Crispina</i>
6.	GAGANA V	1SV19EC011	<i>Gagana</i>
7.	GOWRAMMA S	1SV19EC012	<i>Gowamma</i>
8.	HARSHITHA M	1SV19EC013	<i>Harshitha</i>
9.	K S SANTHOSH	1SV19EC014	<i>Santhosh</i>
10.	K SANJAY	1SV19EC015	<i>Sanjay</i>
11.	LOKESHWARI KOTIBS	1SV19EC016	<i>Lokeshwari</i>
12.	MEGHANA R	1SV19EC017	<i>Meghana</i>
13.	MUSKAN ZAHID	1SV19EC018	<i>Muskan</i>
14.	NALINA D K	1SV19EC019	<i>Nalina</i>
15.	PREETHIKA A S	1SV19EC021	<i>Preetika</i>
16.	PRIYADARSHINI M	1SV19EC022	<i>Priya</i>
17.	REHAMAN KHAN H K	1SV19EC023	<i>Rehaman</i>
18.	SAHIL SALAM	1SV19EC025	<i>Sahil</i>
19.	SANIYA FATHIMA	1SV19EC027	<i>Saniya</i>
20.	SUPRIYA N	1SV19EC029	<i>Supriya</i>
21.	M BHAVANI SHANKAR	1SV19EC032	<i>Shankar</i>
22.	BINDU T S	1SV20EC400	<i>Bindu</i>
23.	GANASHREE K R	1SV20EC401	<i>Ganashree</i>

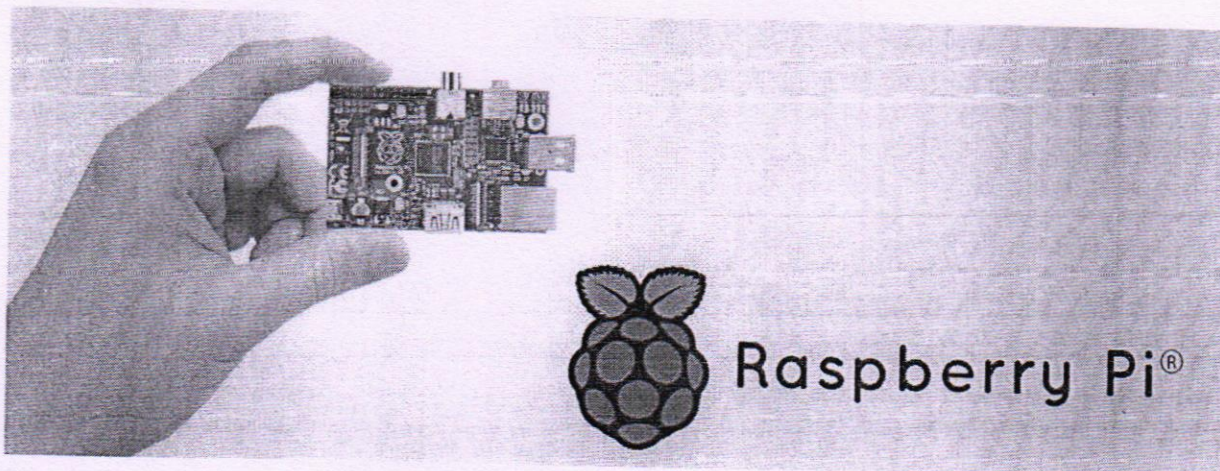
[Signature]
Coordinātor

[Signature]
PRINCIPAL
SIET., TUMAKURU

[Signature]
HOD

HOD
Dept of E&C
SIET, Tumkur-6

The Raspberry Pi Platform & Python Programming



The Raspberry Pi is a small, affordable single-board computer that you will use to design and develop fun and practical IoT devices while learning programming and computer hardware. In addition, you will learn how to set up the Raspberry Pi environment, get a Linux operating system running, and write and execute some basic Python code on the Raspberry Pi. You will also learn how to use Python-based IDE (integrated development environments) for the Raspberry Pi and how to trace and debug Python code on the device. Please note that this course does not include discussion forums.

Module 1

This module describes the basic functionality the Raspberry Pi B+ board. I'll describe how to set up the board, configure it, and use it. An important point differentiating Raspberry Pi from the Arduino platform which we have talked about previously is that Raspberry Pi uses an operating system. I'll describe some of the implications of an operating system on the behavior of the Raspberry Pi as an IoT device.

Module 2

The Raspberry Pi is typically installed with a Linux-based operating system, so we present the basics of Linux and its use. We describe some of the main features including navigating the file system and managing processes. We describe the text-based user interface through the shell and we overview the graphic user interface which is the default with the Raspian Linux distribution.

Nandha Kumar
PRINCIPAL
SIET., TUMAKURU.


AS 01/02/2023
HOD
Dept of E&C
SIET, Tumkur-6

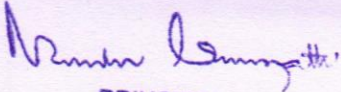
Module 3

We present the basics of the Python programming language to prepare you for programming on the Raspberry Pi. Many languages can be used but Python is the most convenient for the Raspberry Pi because convenient APIs are provided for basic operations such as controlling the pins. Python is a powerful language with useful features that we will present so that you can use these features to control the Raspberry Pi.

Module 4

In this module we describe how to communicate with devices through the pins of the Raspberry Pi. We examine the RPi.GPIO library which provides Python functions used to access the pins. We discuss how to set up the pins, apply digital voltages, and generate Pulse Width Modulated signals. We also describe the Tkinter Python library and show how it can be used to access pins through a graphic user interface.


01/02/2020
HOD
Dept of E&C
SIET, Tumkur-5


PRINCIPAL
SIET., TUMAKURU



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Sira Road, Tumakuru - 572 106. Karnataka.



An ISO 9001:2015 Certified Institution

Phone: 0816-2212629 | Fax: 0816-2212628 | Email: info@shrideviengineering.org | Web: <http://www.shrideviengineering.org>

Ref: SIET/EC/2022-23/02

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

APPROVAL LETTER

To,
The Principal,
SIET, Tumakuru

Respected Sir,

Sub: - Approval for Organizing Students Training Program on "RASPBERRY Pi PLATFORM & PYTHON PROGRAMMING"-Reg.

With reference to the subject cited above, I would like to bring to your kind notice that, the Department is planned to organize Student Training Program on "RASPBERRY Pi PLATFORM & PYTHON PROGRAMMING" from "6th February 2023 to 11th February 2023" for 8th semester Electronics & communication engineering students.

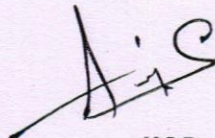
Kindly consider the above request and approve the same for further proceedings.

Thanking you

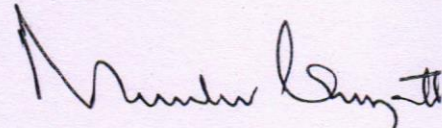
Date: 01/02/2023

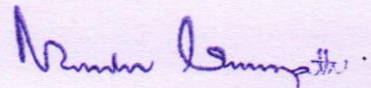
Place: SIET, Tumakuru.


Coordinator


HOD
Dept. of ECE
SIET, TUMAKURU

HOD
Dept of E&C
SIET, Tumkur-6


PRINCIPAL
SIET, TUMAKURU


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SIET, TUMAKURU



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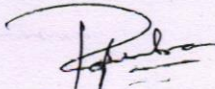
Phone: 0816-2212629 | Fax: 0816-2212628 | Email: info@shrideviengineering.org | Web: http://www.shrideviengineering.org

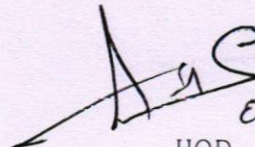
DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Date: 01/02/2023

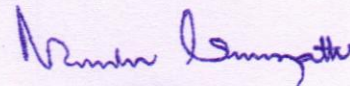
Circular

~~It is hereby informed to all 8th semester students that the "RASPBERRY PLATFORM & PYTHON PROGRAMMING" training course from "6th February 2023 11th February 2023" will be conducted all students are informed to attend the training course without fail.~~


Coordinator


01/02/2023
HOD
Dept. of ECE
SIET, TUMAKURU

HOD
Dept of E&C
SIET, Tumkur-6



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SIET, TUMAKURU

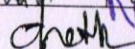
Academic year 2022-23

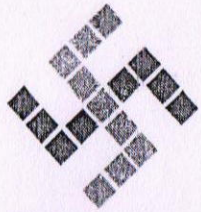
The following is the list of students undergone the value added course on "RASPBERRY Pi PLATFORM & PYTHON PROGRAMMING" for a duration of one weeks 6th February 2023 to 11th February 2023.

ACADEMIC YEAR 2022-2023(8th sem)

SI No	Name of the Student	USN	Date:6/9		Date:7/9		Date:8/9		Date:9/9		Date:10/9		Date:11/9	
			M (9AMto PM1)	A (2PMto 5PM)	M (9AMto PM1)	A (2PMto 5PM)	M (9AMto PM1)	A (2PMto 5PM)	M (9AMto PM1)	A (2PMto 5PM)	M (9AMto PM1)	A (2PMto 5PM)	M (9AMto PM1)	A (2PMto 5PM)
1	ANIKET ASHOK NEJE	1SV18EC001	A	A	A	A	A	A	A	A	A	A	A	A
2	ARUN N R	1SV18EC003	A	A	A	A	A	A	A	A	A	A	A	A
3	AKASH DODAMANI	1SV19EC001	A	A	A	A	A	A	A	A	A	A	A	A
4	AKHILESH YADAV	1SV19EC002	A	A	A	A	A	A	A	A	A	A	A	A
5	ARBHYA SULTANA	1SV19EC003	A	A	A	A	A	A	A	A	A	A	A	A
6	BHAVANA U	1SV19EC005	A	A	A	A	A	A	A	A	A	A	A	A
7	BHOOMIKA D	1SV19EC006	A	A	A	A	A	A	A	A	A	A	A	A
8	CHANDAN M U	1SV19EC007	A	A	A	A	A	A	A	A	A	A	A	A
9	CRISPINA VIOLET P	1SV19EC008	A	A	A	A	A	A	A	A	A	A	A	A
10	DARSHAN M MANCHIKOPPAD	1SV19EC009	A	A	A	A	A	A	A	A	A	A	A	A
11	DIVYA POL	1SV19EC010	A	A	A	A	A	A	A	A	A	A	A	A
12	GAGANA V	1SV19EC011	A	A	A	A	A	A	A	A	A	A	A	A
13	GOWRAMMA S	1SV19EC012	A	A	A	A	A	A	A	A	A	A	A	A
14	HARSHITHA M	1SV19EC013	A	A	A	A	A	A	A	A	A	A	A	A
15	K S SANTHOSH	1SV19EC014	A	A	A	A	A	A	A	A	A	A	A	A
16	K SANJAY	1SV19EC015	A	A	A	A	A	A	A	A	A	A	A	A
17	LOKESHWARI KOTI B S	1SV19EC016	A	A	A	A	A	A	A	A	A	A	A	A
18	MEGHANA R	1SV19EC017	A	A	A	A	A	A	A	A	A	A	A	A
19	MUSKAN ZAHID	1SV19EC018	A	A	A	A	A	A	A	A	A	A	A	A
20	NALINA D K	1SV19EC019	A	A	A	A	A	A	A	A	A	A	A	A
21	PREETHIKA A S	1SV19EC021	A	A	A	A	A	A	A	A	A	A	A	A
22	PRIYADARSHINI M	1SV19EC022	A	A	A	A	A	A	A	A	A	A	A	A
23	REHAMAN KHAN H K	1SV19EC023	A	A	A	A	A	A	A	A	A	A	A	A
24	SAHIL SALAM	1SV19EC025	A	A	A	A	A	A	A	A	A	A	A	A
25	SANIYA FATHIMA	1SV19EC027	A	A	A	A	A	A	A	A	A	A	A	A
26	SHARANAKUMAR	1SV19EC028	A	A	A	A	A	A	A	A	A	A	A	A
27	SUPRIYA N	1SV19EC029	A	A	A	A	A	A	A	A	A	A	A	A
28	YASHWANTH C	1SV19EC030	A	A	A	A	A	A	A	A	A	A	A	A
29	M BHAVANI SHANKAR	1SV19EC032	A	A	A	A	A	A	A	A	A	A	A	A
30	PrekshaNayak	1SV19EC033	A	A	A	A	A	A	A	A	A	A	A	A
31	BINDU T S	1SV20EC400	A	A	A	A	A	A	A	A	A	A	A	A
32	GANASHREE K R	1SV20EC401	A	A	A	A	A	A	A	A	A	A	A	A
33	LAVANYA K R	1SV20EC402	A	A	A	A	A	A	A	A	A	A	A	A


Course Instructor


Technical program Head
PRINCIPAL
SIET, TUMAKURU



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microsystems**

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www.simsindia.net

PARTICIPATION CERTIFICATE

This Certifies that
K. Sanjay bearing USN-15V19EC015 of 2nd Sem of
Department of ECE, SIET, Tumkur
has completed one weeks training program on
RASPBERRY PI PLATFORM & PYTHON PROGRAMMING

at our company from Date 06/02/2023 to Date 11/02/2023

We found him / her sincere, hardworking, dedicated and result oriented.

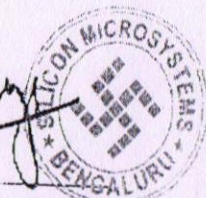
He / She worked well as a part of the team & as an Individual during his / her tenure.

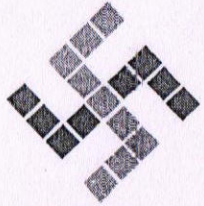
We take this opportunity to thank him / her and wish him / her all the best for the future.

Nandhu Srinivas
PRINCIPAL
SIET., TUMAKURU.


XIMAX
SKILL UNIVERSITY
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M.S. Jayachandra Aradhya
M.S. JAYACHANDRA ARADHYA
DIRECTOR
SILICON MICROSYSTEMS
BENGALURU





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PARTICIPATION CERTIFICATE

This Certifies that
Harsitha. M bearing USN-13V19EC013 of 3rd Sem of
Department of ECE, SIET, Tumkur.
has completed one weeks training program on
RASPBERRY PI PLATFORM & PYTHON PROGRAMMING


at our company from Date 06/02/2023 to Date 11/02/2023

We found him / her sincere, hardworking, dedicated and result oriented.
He / She worked well as a part of the team & as an Individual during his / her tenure.
We take this opportunity to thank him / her and wish him / her all the best for the future.

Manjunath
PRINCIPAL
SIET, TUMAKURU.


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www.ximax.in

M.S. Jayachandra Aradhya
M.S. JAYACHANDRA ARADHYA
DIRECTOR
SILICON MICROSYSTEMS
BENGALURU





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PARTICIPATION CERTIFICATE

This Certifies that
Bindu.T.S bearing USN- *1SV20ECHO0* of *5th Sem* of
Department of ECE, SIET, Tumkur
has completed one weeks training program on
RASPBERRY Pi PLATFORM & PYTHON PROGRAMMING

at our company from Date 06/02/2023 to Date 11/02/2023

We found him / her sincere, hardworking, dedicated and result oriented.

He / She worked well as a part of the team & as an Individual during his / her tenure.

We take this opportunity to thank him / her and wish him / her all the best for the future.

Bindu Lemayattu

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M.S. Jayachandra Aradhya

M.S.JAYACHANDRA ARADHYA
DIRECTOR
SILICON MICROSYSTEMS
BENGALURU





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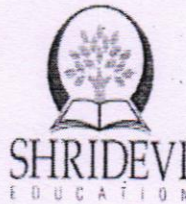


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SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY

SIRA ROAD, TUKAKURU

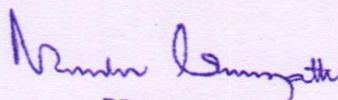
DEPARTMENT OF ELECTRONICS & COMMUNICATION
ENGINEERING

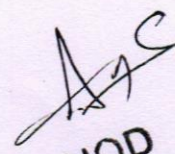


A REPORT ON

**“SIET ELECTRONICS & COMMUNICATION CERIFICATION
COURSE”**

2021-22


PRINCIPAL
SIET., TUMAKURU.


HOD
Dept of E&C
SIET, Tumkur-6



SHRIDEVI
EDUCATION

Sri Shridevi Charitable Trust (R.)
SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY
Sira Road, Tumkur - 572 106, Karnataka, India.

Phone: 0816 - 2212629 | Principal: 0816 - 2212627, 9686114899 | Telefax: 0816 - 2212628

Email: info@shrideviengineering.org, principal@shrideviengineering.org | Website: www.shrideviengineering.org

(Approved by AICTE, New Delhi, Recognised by Govt. of Karnataka and Affiliated to Visvesvaraya Technological University, Belgaum)

ESTD: 2002



ACADEMIC YEAR 2021-2022

The following is the list of students undergone the value added course on "THE ARDUINO PLATFORM and C PROGRAMMING" for a duration of two weeks from 6th November 2021 to 26th December 2021.

Academic year 2021-22 (5th sem)

Sl No	Name of the Student	USN	Student signature
1.	AKASH DODAMANI	1SV19EC001	<i>Akash</i>
2.	AKHILESH YADAV	1SV19EC002	<i>Yadav</i>
3.	ARBIYA SULTANA	1SV19EC003	<i>Arbiya</i>
4.	BHAVANA U	1SV19EC005	<i>Bhavana</i>
5.	BHOOMIKA D	1SV19EC006	<i>Bhoomika</i>
6.	CRISPINA VIOLET P	1SV19EC008	<i>Crispina</i>
7.	DIVYA POL	1SV19EC010	<i>Divya</i>
8.	GAGANA V	1SV19EC011	<i>Gagana</i>
9.	GOWRAMMA S	1SV19EC012	<i>Gowramma</i>
10.	HARSHITHA M	1SV19EC013	<i>Harshitha</i>
11.	K S SANTHOSH	1SV19EC014	<i>K S Santosh</i>
12.	K SANJAY	1SV19EC015	<i>K Sanjay</i>
13.	LOKESHWARI KOTI B S	1SV19EC016	<i>Lokeshwari</i>
14.	MEGHANA R	1SV19EC017	<i>Meghana</i>
15.	MUSKAN ZAHID	1SV19EC018	<i>Muskan</i>
16.	NALINA D K	1SV19EC019	<i>Nalina</i>
17.	PREETHIKA A S	1SV19EC021	<i>Preethika</i>
18.	PRIYADARSHINI M	1SV19EC022	<i>Priyadarshini</i>
19.	REHAMAN KHAN H K	1SV19EC023	<i>Rehaman</i>
20.	SAHIL SALAM	1SV19EC025	<i>Sahil</i>
21.	SANIYA FATHIMA	1SV19EC027	<i>Saniya</i>
22.	SHARANAKUMAR	1SV19EC028	<i>Sharanakumar</i>
23.	SUPRIYA N	1SV19EC029	<i>Supriya</i>
24.	M BHAVANI SHANKAR	1SV19EC032	<i>M Bhavani</i>
25.	BINDU T S	1SV20EC400	<i>Bindu</i>
26.	GANASHREE K R	1SV20EC401	<i>Ganashree</i>
27.	LAVANYA K R	1SV20EC402	<i>Lavanya</i>

[Signature]
Coordinator

[Signature]
PRINCIPAL
SIET., TUMAKURU

[Signature]

HOD HOD
Dept of E&C
SIET, Tumkur-6

Ref: SIET/EC/2021-22/01

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

APPROVAL LETTER

To,
The Principal,
SIET, Tumakuru

Respected Sir,

Sub: - Approval for Organizing Students Training Program on "THE ARDUINO PLATFORM and C PROGRAMMING"-Reg.

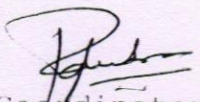
With reference to the subject cited above, I would like to bring to your kind notice that, the Department is planned to organize Student Training Program on "THE ARDUINO PLATFORM and C PROGRAMMING" from "6th November 2021 to 26th December 2021" for 5th semester Electronics & communication engineering students.

Kindly consider the above request and approve the same for further proceedings.

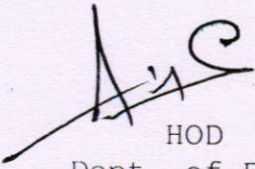
Thanking you

Date: 29/10/2021

Place: SIET, Tumakuru.

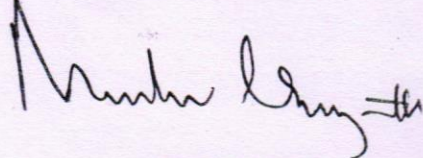


Coordinator

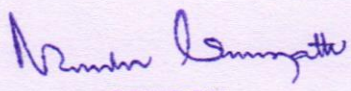


HOD
Dept. of ECE
SIET, TUMAKURU

HOD
Dept of E&C
SIET, Tumkur-6



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SHRIDEVI
EDUCATION

Sri Shridevi Charitable Trust (R.)

SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY

(Recognised by Govt. of Karnataka, Affiliated to VTU, Belagavi and Approved by AICTE, New Delhi)

Sira Road, Tumakuru - 572 106, Karnataka.



Phone: 0816-2212629 | Fax: 0816-2212628 | Email: info@shrideviengineering.org | Web: <http://www.shrideviengineering.org>

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Date: 06/09/2021

Circular

It is hereby informed to all 5th semester students that the "THE ARDUINO PLATFORM and C PROGRAMMING" training course from "6th November 2021 to 26 December 2021" will be conducted all students are informed to attend the training course without fail.

Coordinator

HOD

Dept. of ECE
SIET, TUMAKURU

HOD

Dept of E&C
SIET, Tumkur-6

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Academic year 2021-22


The following is the list of students undergone the value added course on "THE ARDUINO PLATFORM and C PROGRAMMING" for a duration of two weeks from 6th November 2021 to 26th December 2021.

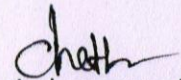
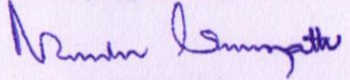
ACADEMIC YEAR 2021-2022 (5th sem)

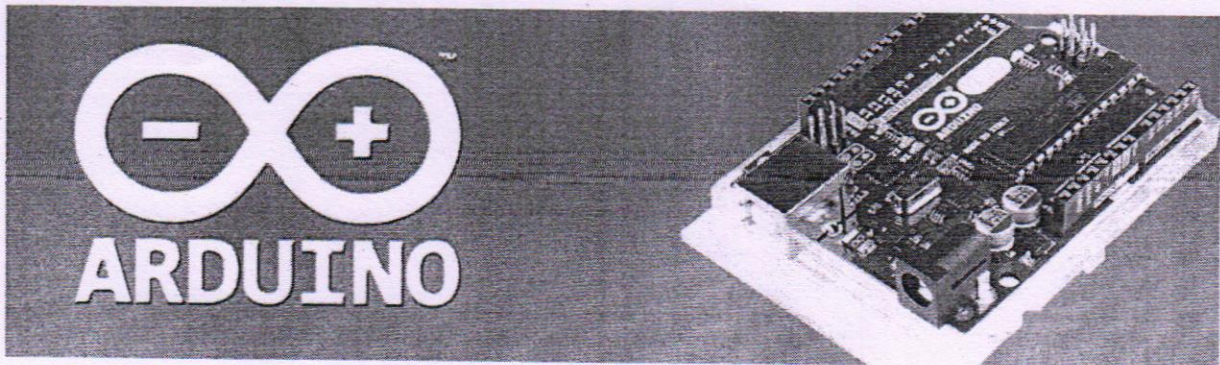
Sl No	Name of the Student	USN	Date:6/9		Date:7/9		Date:13/9		Date:14/9		Date:20/9		Date:21/9	
			M (9AMto PM1)	A (2PMto 5PM)	M (9AMto PM1)	A (2PMto 5PM)	M (9AMto PM1)	A (2PMto 5PM)	M (9AMto PM1)	A (2PMto 5PM)	M (9AMto PM1)	A (2PMto 5PM)	M (9AMto PM1)	A (2PMto 5PM)
1	ANIKET ASHOK NEJE	1SV18EC001	A	A	A	A	A	A	A	A	A	A	A	A
2	ARUN N R	1SV18EC003	A	A	A	A	A	A	A	A	A	A	A	A
3	AKASH DODAMANI	1SV19EC001	A	A	A	A	A	A	A	A	A	A	A	A
4	AKHILESH YADAV	1SV19EC002	A	A	A	A	A	A	A	A	A	A	A	A
5	ARBIYA SULTANA	1SV19EC003	A	A	A	A	A	A	A	A	A	A	A	A
6	BHAVANA U	1SV19EC005	B	B	B	B	B	B	B	B	B	B	B	B
7	BHOOMIKA D	1SV19EC006	B	B	B	B	B	B	B	B	B	B	B	B
8	CHANDAN M U	1SV19EC007	B	B	B	B	B	B	B	B	B	B	B	B
9	CRISPINA VIOLET P	1SV19EC008	C	C	C	C	C	C	C	C	C	C	C	C
10	DARSHAN M MANCHIKOPPAD	1SV19EC009	D	D	D	D	D	D	D	D	D	D	D	D
11	DIVYA POL	1SV19EC010	D	D	D	D	D	D	D	D	D	D	D	D
12	GAGANA V	1SV19EC011	G	G	G	G	G	G	G	G	G	G	G	G
13	GOWRAMMA S	1SV19EC012	G	G	G	G	G	G	G	G	G	G	G	G
14	HARSHITHA M	1SV19EC013	H	H	H	H	H	H	H	H	H	H	H	H
15	K S SANTHOSH	1SV19EC014	K	K	K	K	K	K	K	K	K	K	K	K
16	K SANJAY	1SV19EC015	K	K	K	K	K	K	K	K	K	K	K	K
17	LOKESHWARI KOTI B S	1SV19EC016	L	L	L	L	L	L	L	L	L	L	L	L
18	MEGHANA R	1SV19EC017	M	M	M	M	M	M	M	M	M	M	M	M
19	MUSKAN ZAHID	1SV19EC018	M	M	M	M	M	M	M	M	M	M	M	M
20	NALINA D K	1SV19EC019	N	N	N	N	N	N	N	N	N	N	N	N
21	PREETHIKA A S	1SV19EC021	P	P	P	P	P	P	P	P	P	P	P	P
22	PRIYADARSHINI M	1SV19EC022	P	P	P	P	P	P	P	P	P	P	P	P
23	REHAMAN KHAN H K	1SV19EC023	R	R	R	R	R	R	R	R	R	R	R	R
24	SAHIL SALAM	1SV19EC025	S	S	S	S	S	S	S	S	S	S	S	S
25	SANIYA FATHIMA	1SV19EC027	S	S	S	S	S	S	S	S	S	S	S	S
26	SHARANAKUMAR	1SV19EC028	S	S	S	S	S	S	S	S	S	S	S	S
27	SUPRIYA N	1SV19EC029	S	S	S	S	S	S	S	S	S	S	S	S
28	YASHWANTH C	1SV19EC030	S	S	S	S	S	S	S	S	S	S	S	S
29	M BHAVANI SHANKAR	1SV19EC032	M	M	M	M	M	M	M	M	M	M	M	M
30	PrekshaNayak	1SV19EC033	M	M	M	M	M	M	M	M	M	M	M	M
31	BINDU T S	1SV20EC400	B	B	B	B	B	B	B	B	B	B	B	B
32	GANASHREE K R	1SV20EC401	C	C	C	C	C	C	C	C	C	C	C	C
33	LAVANYA K R	1SV20EC402	M	M	M	M	M	M	M	M	M	M	M	M

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Sl No	Name of the Student	USN	Date:19/9		Date:20/9		Date:26/9	
			M (9AMto PMI)	A (2PMto 5PM)	M (9AMto PMI)	A (2PMto 5PM)	M (9AMto PMI)	A (2PMto 5PM)
1	ANIKET ASHOK NEJE	1SV18EC001	Ans	Ans	Ans	Ans	Ans	Ans
2	ARUN N R	1SV18EC003	Ans	Ans	Ans	Ans	Ans	Ans
3	AKASH DODAMANI	1SV19EC001	Ans	Ans	Ans	Ans	Ans	Ans
4	AKHILESH YADAV	1SV19EC002	Ans	Ans	Ans	Ans	Ans	Ans
5	ARBIYA SULTANA	1SV19EC003	Ans	Ans	Ans	Ans	Ans	Ans
6	BHAVANA U	1SV19EC005	Ans	Ans	Ans	Ans	Ans	Ans
7	BHOOMIKA D	1SV19EC006	Ans	Ans	Ans	Ans	Ans	Ans
8	CHANDAN M U	1SV19EC007	Ans	Ans	Ans	Ans	Ans	Ans
9	CRISPINA VIOLET P	1SV19EC008	Ans	Ans	Ans	Ans	Ans	Ans
10	DARSHAN M MANCHIKOPPAD	1SV19EC009	Ans	Ans	Ans	Ans	Ans	Ans
11	DIVYA POL	1SV19EC010	Ans	Ans	Ans	Ans	Ans	Ans
12	GAGANA V	1SV19EC011	Ans	Ans	Ans	Ans	Ans	Ans
13	GOWRAMMA S	1SV19EC012	Ans	Ans	Ans	Ans	Ans	Ans
14	HARSHITHA M	1SV19EC013	Ans	Ans	Ans	Ans	Ans	Ans
15	K S SANTHOSH	1SV19EC014	Ans	Ans	Ans	Ans	Ans	Ans
16	K SANJAY	1SV19EC015	Ans	Ans	Ans	Ans	Ans	Ans
17	LOKESHWARI KOTI B S	1SV19EC016	Ans	Ans	Ans	Ans	Ans	Ans
18	MEGHANA R	1SV19EC017	Ans	Ans	Ans	Ans	Ans	Ans
19	MUSKAN ZAHID	1SV19EC018	Ans	Ans	Ans	Ans	Ans	Ans
20	NALINA D K	1SV19EC019	Ans	Ans	Ans	Ans	Ans	Ans
21	PREETHIKA A S	1SV19EC021	Ans	Ans	Ans	Ans	Ans	Ans
22	PRIYADARSHINI M	1SV19EC022	Ans	Ans	Ans	Ans	Ans	Ans
23	REHAMAN KHAN H K	1SV19EC023	Ans	Ans	Ans	Ans	Ans	Ans
24	SAHIL SALAM	1SV19EC025	Ans	Ans	Ans	Ans	Ans	Ans
25	SANIYA FATHIMA	1SV19EC027	Ans	Ans	Ans	Ans	Ans	Ans
26	SHARANAKUMAR	1SV19EC028	Ans	Ans	Ans	Ans	Ans	Ans
27	SUPRIYA N	1SV19EC029	Ans	Ans	Ans	Ans	Ans	Ans
28	YASHWANATH C	1SV19EC030	Ans	Ans	Ans	Ans	Ans	Ans
29	M BHAVANI SHANKAR	1SV19EC032	Ans	Ans	Ans	Ans	Ans	Ans
30	PrekshaNayak	1SV19EC033	Ans	Ans	Ans	Ans	Ans	Ans
31	BINDU T S	1SV20EC400	Ans	Ans	Ans	Ans	Ans	Ans
32	GANASHREE K R	1SV20EC401	Ans	Ans	Ans	Ans	Ans	Ans
33	LAVANYA K R	1SV20EC402	Ans	Ans	Ans	Ans	Ans	Ans


Course Instructor


Technical program Head

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The Arduino Platform and C Programming

The Arduino is an open-source computer hardware/software platform for building digital devices and interactive objects that can sense and control the physical world around them. In this class you will learn how the Arduino platform works in terms of the physical board and libraries and the IDE (integrated development environment). You will also learn about shields, which are smaller boards that plug into the main Arduino board to perform other functions such as sensing light, heat, GPS tracking, or providing a user interface display. The course will also cover programming the Arduino using C code and accessing the pins on the board via the software to control external devices. Please note that this course does not include discussion forums.

Upon completing this course, you will be able to:

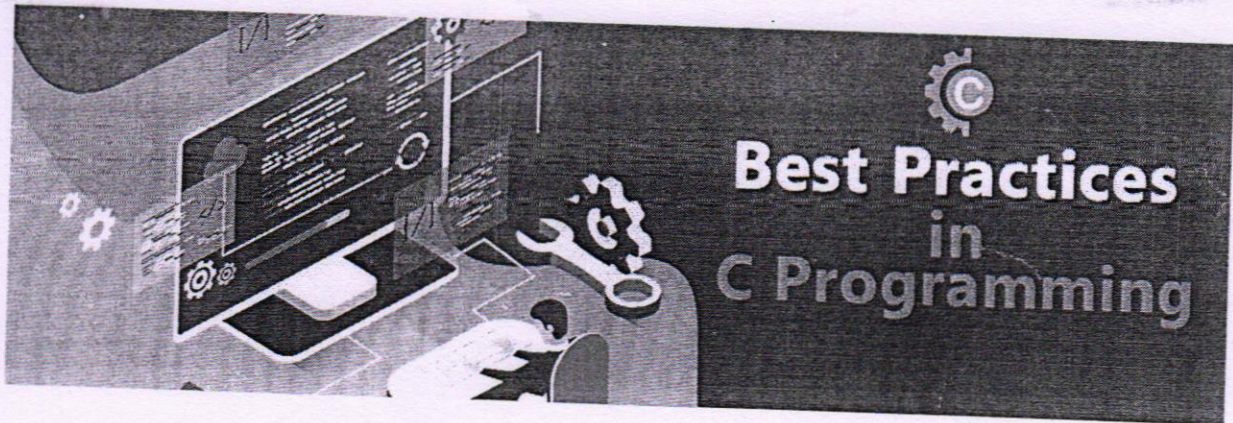
1. Outline the composition of the Arduino development board
2. Describe what it means to program the board's firmware
3. Read board schematics
4. Install Arduino IDE
5. Describe what "shields" are and how they are used
6. Specify the role of libraries in the use of shields
7. Compile and run a program
8. Name C Variables and Types
9. Name common C operators
10. Use conditionals and loops
11. Explain functions, their definition and invocation
12. Explain the implications of global variables
13. Undertake the Arduino build process
14. Describe the role of the tools behind the IDE
15. Describe how to invoke functions in classes
16. Explain the structure of an Arduino sketch
17. Access the pins of the Arduino

18. Differentiate between digital and analog pin
19. Debug embedded software
20. Explain the importance of controllability and observability in the debugging process
21. Describe common debugging architectures for embedded systems
22. Explain how the UART Serial communication protocol works
23. Describe how the Arduino Serial library performs serial communication

Arduino Environment

This module provides an introduction to the Arduino environment which is composed of three things: the Arduino board, the Arduino IDE, and the Arduino-compatible shields together with their libraries. We first investigate the board, discussing all of its main components, inputs, and outputs. We discuss how each component is used and we examine the board schematic to see how they are connected. We then discuss the Arduino Integrated Development Environment (IDE) which is used primarily to write, compile, and upload code. We survey the interface of the IDE and discuss how to install and use it. We also examine the use of shields to extend the functionality of an Arduino-based system. We discuss how shield libraries provide a useful abstraction to facilitate programming.

C Programming



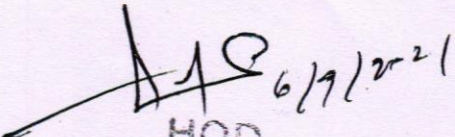
This module covers the basics of the C programming language which will be used to write code for the Arduino. The course first covers basic syntax, variables, and types. Most of the basic C operators are presented. Conditional statements (if, switch) and loops (while, for) are described. The concept of functions is presented together with how to define and call functions. Creation and use of global variables is explained.

Arduino Programs

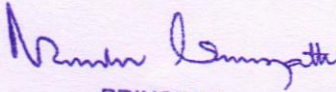
This module describes the composition of an Arduino program, or sketch, and the process by which it is compiled and uploaded. The Arduino IDE is a user interface for the software tools which actually compile and upload the program. We outline the use of these tools in the build process. We describe the basic structure of a sketch, including the use of the `setup()` and `loop()` functions. The main interface of an Arduino is through its pins, so we describe how to access those pins from a sketch.

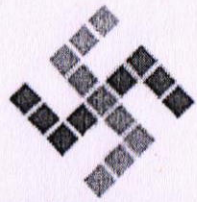
Module 4

This module is an introduction on debugging embedded software on an Arduino. We discuss the basic debugging requirements: controllability and observability. The debugging environment available for an Arduino UNO is limited, so we describe how to use the UART communication protocol to gain controllability and observability. We present the use of the Serial library to communicate with the Arduino through the serial monitor.

 6/9/2021

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SIET, Tumkur-6


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PARTICIPATION CERTIFICATE

This Certifies that
Bhoomika D bearing USN- *15V19EC006* of *5th sem* of
Department of ECE, SIET, Tumkur.
has completed two weeks training program on
THE ARDUINO PLATFORM and C PROGRAMMING

at our company from Date 06/11/2021 to Date 26/12/2021

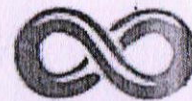
We found him / her sincere, hardworking, dedicated and result oriented.

He / She worked well as a part of the team & as an Individual during his / her tenure.

We take this opportunity to thank him / her and wish him / her all the best for the future.

Nandha Kumar

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M. S. Jayachandra Aradhya

M.S.JAYACHANDRA ARADHYA
DIRECTOR
SILICON MICROSYSTEMS
BENGALURU





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PARTICIPATION CERTIFICATE

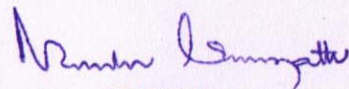
This Certifies that
Akhilash yadav bearing *USN-15VI9EC002* of 5th Sem of
Department of ECE, SIET, Tumkur.
has completed two weeks training program on
THE ARDUINO PLATFORM and C PROGRAMMING

at our company from Date 06/11/2021 to Date 26/12/2021

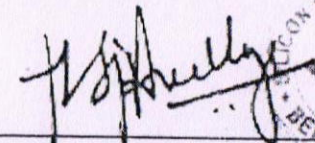
We found him / her sincere, hardworking, dedicated and result oriented.


He / She worked well as a part of the team & as an Individual during his / her tenure.

We take this opportunity to thank him / her and wish him / her all the best for the future.


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M.S.JAYACHANDRA ARADHYA
DIRECTOR
SILICON MICROSYSTEMS
BENGALURU





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PARTICIPATION CERTIFICATE

This Certifies that
Bhavana.V bearing USN- *15V19EC005* of 5th sem of
Department of *ECE*, *SIET, Tumkur*
has completed two weeks training program on
THE ARDUINO PLATFORM and C PROGRAMMING

at our company from Date 06/11/2021 to Date 26/12/2021

We found him / her sincere, hardworking, dedicated and result oriented.

He / She worked well as a part of the team & as an Individual during his / her tenure.

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Nandhu Srinivasan
PRINCIPAL
SIET., TUMAKURU.


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M.S. Jayachandra Aradhya
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Email: info@shrideviengineering.org, principal@shrideviengineering.org | Website: www.shrideviengineering.org

(Approved by AICTE, New Delhi, Recognised by Govt. of Karnataka and Affiliated to Visvesvaraya Technological University, Belagavi)

ESTD: 200



ACADEMIC YEAR 2021-2022

The following is the list of students undergone the value added course on "INTERFACING WITH ARDUINO" for a duration of two weeks from 19th March 2022 to 8th May 2022.

Academic year 2021-22 (6th sem)

Sl No	Name of the Student	USN	Student signature
1.	ANIKET ASHOK NEJE	1SV18EC001	Aniket
2.	AKASH DODAMANI	1SV19EC001	Akash
3.	AKHILESH YADAV	1SV19EC002	Akhilesh
4.	ARBIYA SULTANA	1SV19EC003	Arbiya
5.	BHAVANA U	1SV19EC005	Bhavana
6.	BHOOMIKA D	1SV19EC006	Bhoonika
7.	CRISPINA VIOLET P	1SV19EC008	Cripina
8.	DIVYA POL	1SV19EC010	Divya
9.	GAGANA V	1SV19EC011	Gagana
10.	GOWRAMMA S	1SV19EC012	Gowrama
11.	HARSHITHA M	1SV19EC013	Harshitha
12.	K S SANTHOSH	1SV19EC014	Santhosh
13.	K SANJAY	1SV19EC015	Sanjay
14.	LOKESHWARI KOTI B S	1SV19EC016	Lokeshwari
15.	MEGHANA R	1SV19EC017	Meghana
16.	MUSKAN ZAHID	1SV19EC018	Muskan
17.	NALINA D K	1SV19EC019	Nalina
18.	PREETHIKA A S	1SV19EC021	Preethika
19.	PRIYADARSHINI M	1SV19EC022	Priya
20.	REHAMAN KHAN H K	1SV19EC023	Rehaman
21.	SAHIL SALAM	1SV19EC025	Sahil
22.	SANIYA FATHIMA	1SV19EC027	Saniya
23.	SHARANAKUMAR	1SV19EC028	Sharan
24.	SUPRIYA N	1SV19EC029	Supriya
25.	YASHWANTH C	1SV19EC030	Yashwanth
26.	M BHAVANI SHANKAR	1SV19EC032	Shankar
27.	BINDU T S	1SV20EC400	Bindu
28.	GANASHREE K R	1SV20EC401	Ganashree
29.	LAVANYA K R	1SV20EC402	Lavanya

Coordinator

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HOD HOD
Dept of
SIET, Tumkur

Ref: SIET/EC/2021-22/02

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

APPROVAL LETTER

To,
The Principal,
SIET, Tumakuru

Respected Sir,

Sub: - Approval for Organizing Students Training Program on "INTERFACING WITH ARDUINO"-Reg.

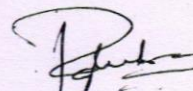
With reference to the subject cited above, I would like to bring to your kind notice that, the Department is planned to organize Student Training Program on "INTERFACING WITH ARDUINO" from "19th March 2022 to 8th May 2022" for 6th semester Electronics & communication engineering students.

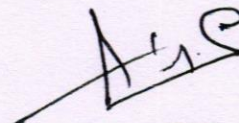
Kindly consider the above request and approve the same for further proceedings.

Thanking you

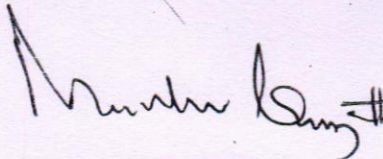
Date: 10/03/2022

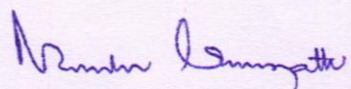
Place: SIET, Tumakuru.


Coordinator


HOD
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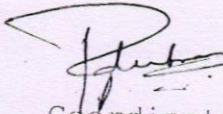


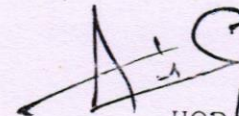
DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Date: 10/03/2022

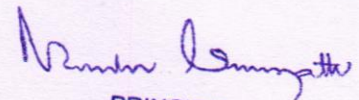
Circular

It is hereby informed to all 6th semester students that the "INTERFACING WITH ARDUINO" training course from "19th March 2022 to 8th May 2022" will be conducted all students are informed to attend the training course without fail.


Coordinator

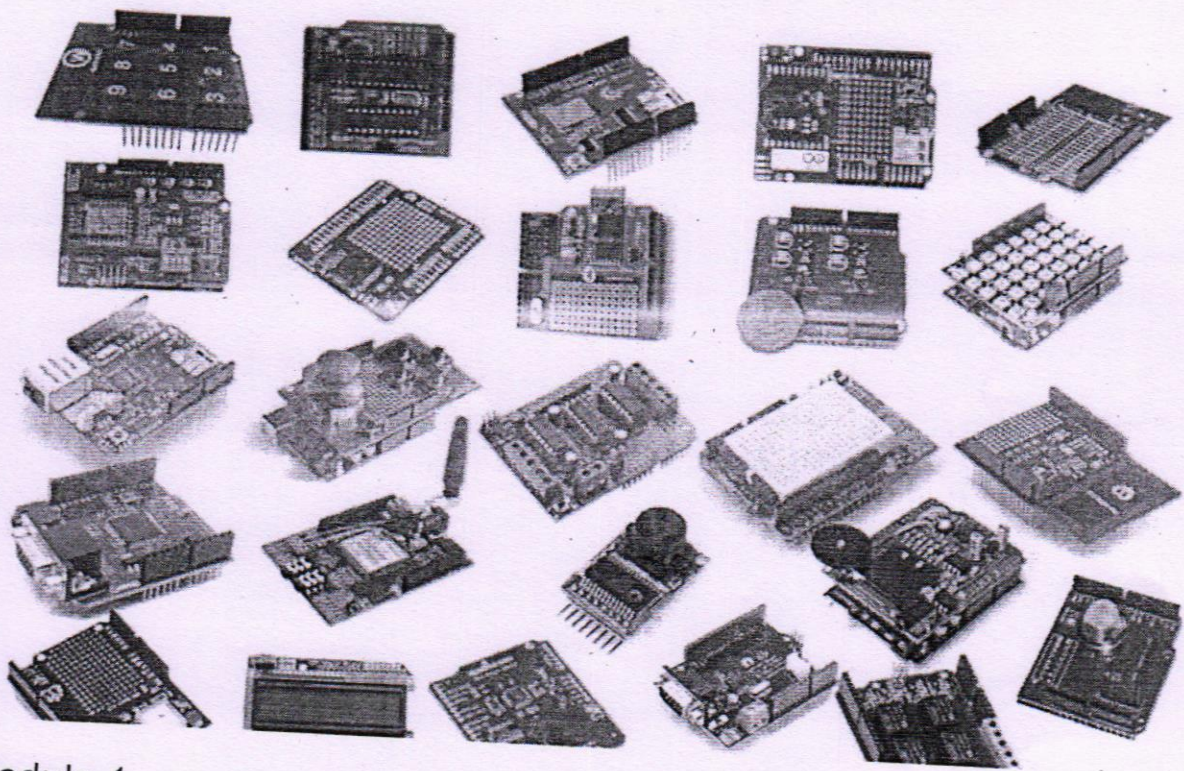

HOD 10/03/22
Dept. of ECE
SIET, TUMAKURU

HOD
Dept of E&C
SIET, Tumkur-6


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Interfacing with the Arduino

Arduino senses the environment by receiving inputs from add-on devices such as sensors, and can control the world around it by adjusting lights, motors, and other actuators. In this class you will learn how and when to use the different types of sensors and how to connect them to the Arduino. Since the external world uses continuous or analog signals and the hardware is digital you will learn how these signals are converted back-and-forth and how this must be considered as you program your device. You'll also learn about the use of Arduino-specific shields and the shields software libraries to interface with the real world. Please note that this course does not include discussion forums.



Module 1

IoT devices involve a combination of software and hardware. This module provides background on the basics of hardware design and wiring needed to build useful circuits. This module describes the functions of basic passive components and describes how to use them in simple circuits. This module also describes how to wire circuits together using a breadboard. The goal of this module is to enable students to design and implement the circuits they need to interact with basic sensors and actuators.

Ramesh Kumar
PRINCIPAL
SIET, TUMAKURU.

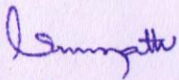
A.S.
10/3/2022
HOD
Dept of E&C
SIET, Tumkur-6

Academic year 2021-22 .

The following is the list of students undergone the value added course on "INTERFACING WITH ARDUINO " for a duration of two weeks from 19thMarch 2022 to 8thMay 2022.

ACADEMIC YEAR 2021-2022(6th Sem)

Sl No	Name of the Student	USN	Date:20/9		Date:21/9		Date:27/28		Date:28/9		Date:3/9		Date:4/9	
			M (9AMto PM1)	A (2PMto 5PM)	M (9AMto PM1)	A (2PMto 5PM)	M (9AMto PM1)	A (2PMto 5PM)	M (9AMto PM1)	A (2PMto 5PM)	M (9AMto PM1)	A (2PMto 5PM)	M (9AMto PM1)	A (2PMto 5PM)
1	ANIKET ASHOK NEJE	1SV18EC001	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
2	ARUN N R	1SV18EC003	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
3	AKASH DODAMANI	1SV19EC001	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
4	AKHILESH YADAV	1SV19EC002	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
5	ARBIYA SULTANA	1SV19EC003	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
6	BHAVANA U	1SV19EC005	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
7	BHOOMIKA D	1SV19EC006	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
8	CHANDAN M U	1SV19EC007	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
9	CRISPINA VIOLET P	1SV19EC008	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
10	DARSHAN M MANCHIKOPPAD	1SV19EC009	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
11	DIVYA POL	1SV19EC010	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
12	GAGANA V	1SV19EC011	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
13	GOWRAMMA S	1SV19EC012	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
14	HARSHITHA M	1SV19EC013	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
15	K S SANTHOSH	1SV19EC014	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
16	K SANJAY	1SV19EC015	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
17	LOKESHWARI KOTI B S	1SV19EC016	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
18	MEGHANA R	1SV19EC017	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
19	MUSKAN ZAHID	1SV19EC018	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
20	NALINA D K	1SV19EC019	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
21	PREETHIKA A S	1SV19EC021	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
22	PRIYADARSHINI M	1SV19EC022	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
23	REHAMAN KHAN H K	1SV19EC023	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
24	SAHIL SALAM	1SV19EC025	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
25	SANIYA FATHIMA	1SV19EC027	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
26	SHARANAKUMAR	1SV19EC028	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
27	SUPRIYA N	1SV19EC029	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
28	YASHWANTH C	1SV19EC030	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
29	M BHAVANI SHANKAR	1SV19EC032	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
30	PrekshaNayak	1SV19EC033	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
31	BINDU T S	1SV20EC400	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
32	GANASHREE K R	1SV20EC401	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
33	LAVANYA K R	1SV20EC402	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass


 PRINCIPAL
 SIET, TUMAKURU.

Sl No	Name of the Student	USN	Date:8/9	
			M (9AMto PMI)	A (2PMto 5PM)
1	ANIKET ASHOK NEJE	1SV18EC001	PS	PS
2	ARUN N R	1SV18EC003	PS	PS
3	AKASH DODAMANI	1SV19EC001	PS	PS
4	AKHILESH YADAV	1SV19EC002	PS	PS
5	ARBIYA SULTANA	1SV19EC003	PS	PS
6	BHAVANA U	1SV19EC005	PS	PS
7	BHOOMIKA D	1SV19EC006	PS	PS
8	CHANDAN M U	1SV19EC007	PS	PS
9	CRISPINA VIOLET P	1SV19EC008	PS	PS
10	DARSHAN M MANCHIKOPPAD	1SV19EC009	PS	PS
11	DIVYA POL	1SV19EC010	PS	PS
12	GAGANA V	1SV19EC011	PS	PS
13	GOWRAMMA S	1SV19EC012	PS	PS
14	HARSHITHA M	1SV19EC013	PS	PS
15	K S SANTHOSH	1SV19EC014	PS	PS
16	K SANJAY	1SV19EC015	PS	PS
17	LOKESHWARI KOTI B S	1SV19EC016	PS	PS
18	MEGHANA R	1SV19EC017	PS	PS
19	MUSKAN ZAHID	1SV19EC018	PS	PS
20	NALINA D K	1SV19EC019	PS	PS
21	PREETHIKA A S	1SV19EC021	PS	PS
22	PRIYADARSHINI M	1SV19EC022	PS	PS
23	REHAMAN KHAN H K	1SV19EC023	PS	PS
24	SAHIL SALAM	1SV19EC025	PS	PS
25	SANIYA FATHIMA	1SV19EC027	PS	PS
26	SHARANAKUMAR	1SV19EC028	PS	PS
27	SUPRIYA N	1SV19EC029	PS	PS
28	YASHWANTH C	1SV19EC030	PS	PS
29	M BHAVANI SHANKAR	1SV19EC032	PS	PS
30	PrekshaNayak	1SV19EC033	PS	PS
31	BINDU T S	1SV20EC400	PS	PS
32	GANASHREE K R	1SV20EC401	PS	PS
33	LAVANYA K R	1SV20EC402	PS	PS

JCS
Course Instructor

Nimra Limgatti
PRINCIPAL
SIET., TUMAKURU

Chaithe
Technical program Head



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PARTICIPATION CERTIFICATE

This Certifies that
Crispina violet . P bearing USN-15V19EC008 of 6th Sem of
Department of ECE, SIET, Tumkur
has completed two weeks training program on
INTERFACING WITH ARDUINO

at our company from Date 19/03/2022 to Date 08/05/2022.

We found him / her sincere, hardworking, dedicated and result oriented.

He / She worked well as a part of the team & as an Individual during his / her tenure.

We take this opportunity to thank him / her and wish him / her all the best for the future.

Principals Signature
PRINCIPAL
SIET., TUMAKURU.


XIMAX
SKILL UNIVERSITY
www.ximax.in

M.S. Jayachandra Aradhya
M.S.JAYACHANDRA ARADHYA
DIRECTOR
SILICON MICROSYSTEMS
BENGALURU





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PARTICIPATION CERTIFICATE

This Certifies that
Supriya.N bearing *USN-15V19EC029* of 6th sem of
Department of ECE, SIET, Tumkur.
has completed two weeks training program on
INTERFACING WITH ARDUINO.

at our company from Date 19/03/2022 to Date 08/05/2022

We found him / her sincere, hardworking, dedicated and result oriented.

He / She worked well as a part of the team & as an Individual during his / her tenure.

We take this opportunity to thank him / her and wish him / her all the best for the future.

Principals Signature

PRINCIPAL
SIET, TUMAKURU.



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SKILL UNIVERSITY

www.ximax.in

M.S. Jayachandra Aradhya

M.S. JAYACHANDRA ARADHYA
DIRECTOR
SILICON MICROSYSTEMS
BENGALURU



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PARTICIPATION CERTIFICATE

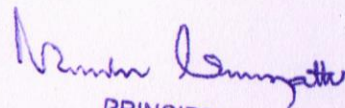
This Certifies that
K. Sanjay bearing USN-15V19ECO15 of 6th sem of
Department of ECE, SIET, Tumkur
has completed two weeks training program on
INTERFACING WITH ARDUINO

at our company from Date 19/03/2022 to Date 08/05/2022

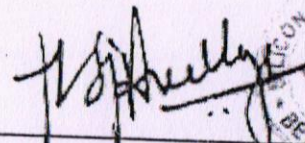
We found him / her sincere, hardworking, dedicated and result oriented.

He / She worked well as a part of the team & as an Individual during his / her tenure.

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PRINCIPAL
SIET., TUMAKURU.


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SKILL UNIVERSITY
www.ximax.in


M.S. JAYACHANDRA ARADHYA
DIRECTOR
SILICON MICROSYSTEMS
BENGALURU





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**MEMORANDUM OF UNDERSTANDING
BETWEEN**

**SHRIDEVI INSTITUTE OF ENGINEERING AND TECHNOLOGY
TUMAKURU**

AND

**SILICON MICROSYSTEMS
BENGALURU**

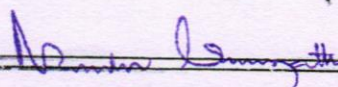
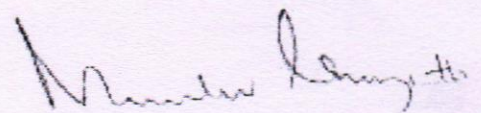
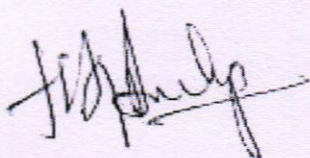
Wenker Srinivasan
PRINCIPAL
SIET., TUMAKURU

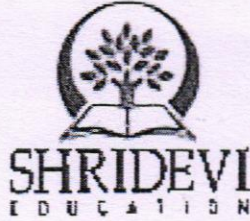
Graduate Programmes, 4 Post Graduate Programmes and 4 Ph.D. Research Programmes – covering 'Engineering & Technology', and 'Management' streams.

- The Silicon Microsystems (SIMS), are engaged in the field of electronics equipments design and manufacturing in the field of VLSI, EMBEDDED, COMMUNICATION, AUTOMATION AND ROBOTICS since 1997. SIMS is having Exclusive corporate training centre to enhance employable skills among graduated students in niche areas.
- The SIET on its part is interested in associating with SIMS for using their expertise to promote and deliver the technical Internship, Project Work and any technical program driving innovation as a graduate Program of Shridevi Institute of Engineering and Technology.
- The purpose of this Memorandum of understanding is to set forth the terms and conditions under which the Parties to this understanding shall conduct themselves during the subsistence of the Memorandum.
- Both parties as above have expressed a desire of entering into a Memorandum of Understanding for furnishing value addition to students to promote knowledge, skills and employability.

2. Curriculum Design and Mutual Support :

- SIMS will give valuable inputs to the SIET in teaching / training methodology suitably customize the curriculum so that the students fit into the industrial expectation.
- This Memorandum of Understanding ("MoU") is not intended to be legally binding except as specifically set out below.
- The SIET shall provide the necessary support to the SIMS to deliver the training on the agreed subject's / Programs.





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MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding [MOU] is signed on this day of Twenty seventh day, September Month & year Two thousand twenty one between Shridevi Institute of Engineering & Technology, Tumakuru [hereinafter referred as "SIET"] on one part and Silicon Microsystems, Bengaluru [hereinafter referred as "SIMS"] on the other part.

The following Terms of Service (the "Agreement") is effective from 27th September 2021.

BETWEEN: Shridevi Institute of Engineering & Technology
Maralenahally, Sira Road, Tumkur 572106,
Karnataka. Tel: +91-0816- 2212629,
E-Mail: principal@shrideviengineering.org
URL: www.shrideviengineering.org

AND: SILICON MICROSYSTEMS
No.31, Gandhi bazaar main road, Ramakrishna Ashrama circle
Basavanagudi, Bengaluru - 560004
Ph: 9844040444
Email: aradhya@simsindia.net
URL: www.simsindia.net
GST No.-29ACYPA4536F1ZC & PAN No - 29ACYPA4536F

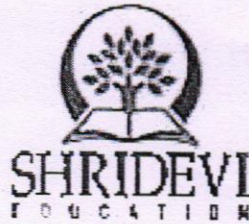
MUTUAL SUPPORT AND COOPERATION:

It is herewith mutually agreed and declared that for the strengthening of SIET Engineering Students and also for the assistance of SIMS, the following issues have been agreed and put into operation.

1. Scope of the MoU :

- Shridevi Institute of Engineering & Technology(SIET), an Institute of Higher Education was established in the year 2002 with the sole aim to imparting quality Technical Education. It is approved by AICTE & affiliated to Visvesvaraya Technological University, Belagavi, Karnataka state and presently offers 7 Under-

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Graduate Programmes, 4 Post Graduate Programmes and 4 Ph.D. Research Programmes – covering 'Engineering & Technology', and 'Management' streams.

- The Silicon Microsystems (SIMS), are engaged in the field of electronics equipments design and manufacturing in the field of VLSI, EMBEDDED, COMMUNICATION, AUTOMATION AND ROBOTICS since 1997. SIMS is having Exclusive corporate training centre to enhance employable skills among graduated students in niche areas.
- The SIET on its part is interested in associating with SIMS for using their expertise to promote and deliver the technical Internship, Project Work and any technical program driving innovation as a graduate Program of Shridevi Institute of Engineering and Technology.
- The purpose of this Memorandum of understanding is to set forth the terms and conditions under which the Parties to this understanding shall conduct themselves during the subsistence of the Memorandum.
- Both parties as above have expressed a desire of entering into a Memorandum of Understanding for furnishing value addition to students to promote knowledge, skills and employability.

2. Curriculum Design and Mutual Support :

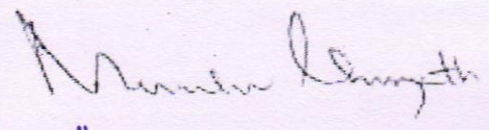
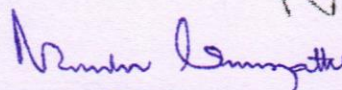
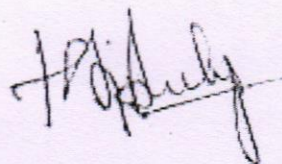
- SIMS will give valuable inputs to the SIET in teaching / training methodology suitably customize the curriculum so that the students fit into the industrial expectation.
- This Memorandum of Understanding ("MoU") is not intended to be legally binding except as specifically set out below.
- The SIET shall provide the necessary support to the SIMS to deliver the training on the agreed subject's / Programs.

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- Students who opt for the program avails the facility of the SIMS&SIET, to learn the stated subject and do the project in the chosen field of interest.
- The SIMS can use the name of Shridevi Institute of Engineering & Technology for promoting the programs in advertisements and other modes of communications and the SIET can use the name of System Consultants Information (I) Pvt. Ltd. for promoting the admissions and to use in website, banners or brochure for admission related activities.
- The SIMS provides electronic copy of relevant learning materials to the students opt for the respective programs. All responsibilities regarding registration of the students should be dealt by the SIMS.
- The SIMS will also register itself on AICTE Internship Policy Portal for disseminating Internship opportunities available with them.
- The complete list of students of the course shall be provided to the SIMS by the SIET.
- Changes in students, if any, shall be communicated by the representative of the SIET to the SIMS immediately without any delay.

3. Industrial Training and Visits :

- The SIMS to permit the Faculty and Students of the SIET to visit its group companies and also involve in Industrial Training Programs for the SIET. The industrial training and exposure provided to students and faculty through this association will build confidence and prepare the students to have a smooth transition from academic to working career.
- The SIET will provide its Labs / Workshops for the hands-on training of the learners enrolled with the SIMS.



- There is no financial commitment on the part of the SIET, the first party to take up any program mention in MoU. If there is any financial consideration, it will be dealt separately.
- Both Parties to obtain all internal approvals, consents, permissions, and licenses of whatsoever nature required.

4. Internships and Placement of Students :

- SIMS will actively engage to help the delivery of the Internship and placement of students of the SIET into internships/placement activity, as per AICTE Internship Policy.

5. Research and Development:

- Both the parties have agreed to carryout the joint research activities on the Emerging Technologies of mutual interest.

6. Skill development Programs:

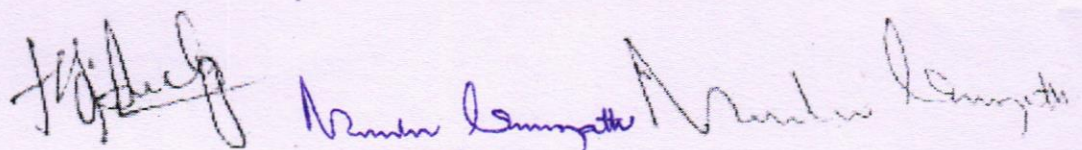
- SIMS to train the students of SIET on the emerging technologies in order to bridge the skill gap and make them industry ready.

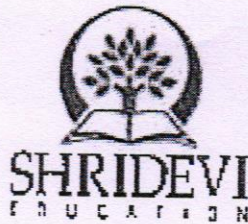
7. Guest Lectures:

- SIMS to extend the necessary support to deliver guest lectures to the students of the SIET on the technology trends and in house requirements.

8. Faculty Development Programs:

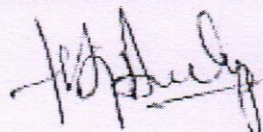
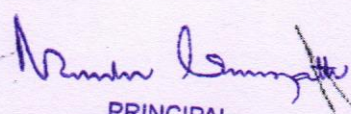
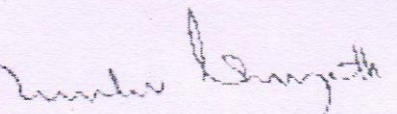
- SIMS to train the Faculty members of SIET for imparting industrial exposure/ training as per the industrial requirement considering the National Occupational Standards in concerned sector, if available.





9. Intellectual Property:

- All intellectual property created by a party in connection with the Collaboration shall remain the property of that party. The Parties agree that any material jointly created by the Parties for the collaboration shall be jointly owned (in equal proportions) by the parties, unless otherwise agreed in writing.
- Where the collaboration reasonably requires the use by one party of intellectual property that is owned by the other party (the "IPR Owner"), the IPR Owner will license such rights to the other party on a non-exclusive basis, without the right to sub-license, solely for the purpose and to the extent necessary in connection with the collaboration under this MOU and/or subsequent binding agreement. Any such license will automatically terminate when the MoU is terminated.
- For the purposes of this MoU, "Confidential Information" shall be confidential in nature (whether written, visual or oral) concerning the business and affairs of either party which is obtained or received as a result of the discussions leading up to, the entering into or the performance of this MoU, including financial information, training & learning material, trade secrets, college lists, trade and commercial details and computer software and databases, the contents of all reports and documentation prepared by either party or on its behalf.
- Parties shall always abide, while this MoU remains in force and after terminated, keep confidential information except where: The Confidential Information was already lawfully known, or became lawfully known to either parties independently; and any other information of a confidential nature designated by a party as confidential.
- Each of the Disclosure or use is necessary by either of the parties (including their employees, agents and sub-contractors) for the proper and effective performance of this MoU;
- Disclosure is required by law to any government, governmental department, agency, regulatory or fiscal body or authority (whether national or foreign) and their authorized agents (including professional advisers).

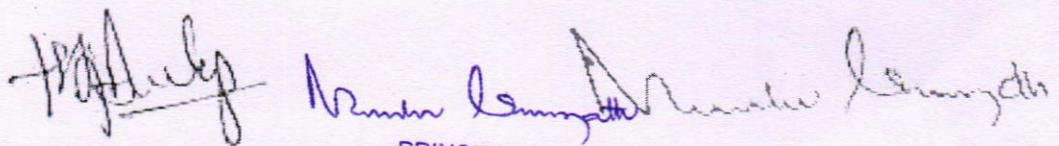
  

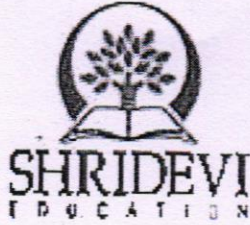
PRINCIPAL
SIET, TUMAKURU

- The Confidential Information is disclosed, in the case of SIMS, to another member of the SIMS group of companies.
- All disputes and differences of any kind whatever arising out of or in connection with this MoU shall be referred to the arbitration, and the final decision of an arbitrator jointly appointed by both the Parties to be agreed upon and appointed by both the parties. This submission to the arbitrators shall be deemed to be a submission to arbitration within the meaning of the Arbitration and Conciliation Act, 1996, or any statutory modification thereof. The award of the arbitrator or arbitrators shall be final and binding on the parties.
- In case of any disputes not settled due to arbitration it will be subject to the courts of Bangalore Jurisdiction. The laws of India shall be applicable.

10. Validity:

- It is intended that the terms of this MoU will remain in force for an initial period of (3) three years from the date of agreement and shall be valid until the termination or expiration, whichever is earlier of this MoU.
- The MoU can be extended for further periods after the expiry of (3) three years upon the parties mutually agreeing such extension in writing. The terms of this Memorandum may be modified at anytime by both Parties on mutual consent.
- The execution of the MoU in principle is subject to mutually agreed terms & conditions from time to time.
- Either party shall be entitled to terminate the MoU on 60 days' prior written notice. The MoU will automatically terminate.
- If either party becomes insolvent or is subject to a change of control.
- If this MoU / transaction / business is unenforceable, void or illegal due to any statutory or regulatory requirements.





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SIGNED this on day twenty seventh, Month September, year two thousand twenty one.

For & on behalf of
Shridevi Institute of Engineering &
Technology [SIET],
Tumkur.

Signature/ Seal

Name: Dr. Narendra Viswanath

Designation: Principal

PRINCIPAL
SHRIDEVI INSTITUTE OF
ENGINEERING & TECHNOLOGY
TUMKUR - 572108.

Witness:

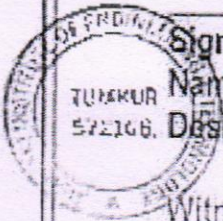
For on behalf of
Silicon microsystems [SIMS],
Bengaluru

Signature/ Seal

Name: Mr. Jayachandra Aradhya

Designation: CEO

Witness:

PRINCIPAL
SIET



SHRIDEVI
EDUCATION

Sri Shridevi Charitable Trust (R.)

SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY

(Recognised by Govt. of Karnataka, Affiliated to VTU, Belagavi and Approved by AICTE, New Delhi)

Sira Road, Tumakuru - 572 106, Karnataka.



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SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY

SIRA ROAD, TUKAKURU

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



A REPORT ON

“SIET ELECTRONICS & COMMUNICATION CERIFICATION COURSE”

2020-21

HOD
Dept of E&C
SIET, Tumkur-a

PRINCIPAL
SIET., TUMAKURU.



ACADEMIC YEAR 2020-2021

The following is the list of students undergone the value added course on "INDUSTRIAL AUTOMATION" for a duration of one weeks from 31st October 2020 to 22nd November 2020.

Academic year 2020-21 (5th sem)

SI No	Name of the Student	USN	Student signature
1.	RAVISH KUMAR	1SV17EC012	
2.	ANUSHA G S	1SV18EC002	
3.	BASAVARAJ	1SV18EC004	
4.	BHARATHI M	1SV18EC005	
5.	BRUNDA K	1SV18EC006	
6.	CHANDANA D	1SV18EC007	
7.	DEVIKA L	1SV18EC008	
8.	GURANNAGOUDA	1SV18EC009	
9.	KETANRAJ S	1SV18EC010	
10.	LATHASHREE K R	1SV18EC011	
11.	MOUNESHI GOUDA	1SV18EC012	
12.	MOUNIKA Y	1SV18EC013	
13.	NAGESH D R	1SV18EC014	
14.	RACHANA S R	1SV18EC018	
15.	SADAF NAZ	1SV18EC019	
16.	SAMEER BICHAGATTI	1SV18EC020	
17.	SHIRISHA R T	1SV18EC021	
18.	SRINIVAS C	1SV18EC023	
19.	YASHASWINI K Y	1SV18EC024	
20.	JYOTHI R	1SV19EC401	
21.	MAHADEVAIAH M B	1SV19EC402	
22.	NAVYASHREE S M	1SV19EC403	
23.	SWAMY M	1SV19EC405	

Coordinator

PRINCIPAL
SIET., TUMAKURU

HOD
HOD
Dept of E&C
SIET, Tumkur-6



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Sri Shridevi Charitable Trust (R.)

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ESTD: 2002




Curriculum for Industrial Automation Course

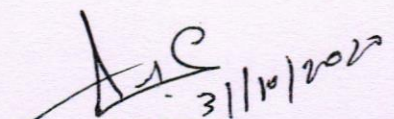
- Introduction, History & Need of Automation.
 - Factory & process automation.
 - Introduction to components of automation and PLC.
 - Input devices like Proximity sensors, Limit switches, Push button and lamps.
 - Ultra sonic sensors, Optical sensors, Encoder.
-
- Diffusion beam sensors, through beam sensors.
 - Output devices like Motors and starters, AC drives, Servo drives.
 - Introduction & methods of programming PLC.
 - Variable types; NO/NC Instruction; Set / reset coils; Transition coils.
 - Timers, Counters, Relational functions, Mathematical functions, Control functions.
 - Introduction to HMI, Configuring HMI, Hands on & Programming examples with PLC.
 - Designing approach for new project - Pick & Place.

Assessment: Students should obtain

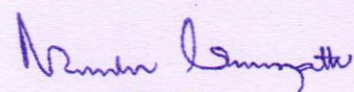
Min 80% of attendance

Min 80% Participation in practice session


Coordinator


HOD

HOD
Dept of E&C
SIET, Tumkur-5


PRINCIPAL
SIET., TUMAKURU

Ref: SIET/EC/2020-21/01

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

APPROVAL LETTER

To,
The Principal,
SIET, Tumakuru

Respected Sir,

Sub: - Approval for Organizing Students Training Program on "INDUSTRIAL AUTOMATION"-Reg.

With reference to the subject cited above, I would like to bring to your kind notice that, the Department is planned to organize Student Training Program on "INDUSTRIAL AUTOMATION" from "31st October 2020 to 22nd November 2020" for 5th semester Electronics & communication engineering students.

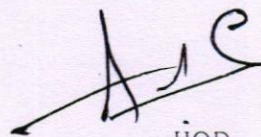
Kindly consider the above request and approve the same for further proceedings.

Thanking you

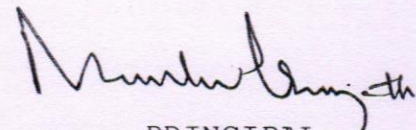
Date: 25/10/2020

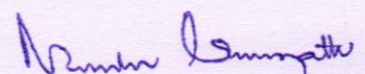
Place: SIET, Tumakuru.


Coordinator


HOD
Dept. of ECE
SIET, TUMAKURU

HOD
Dept of E&C
SIET, Tumkur-6


PRINCIPAL
SIET, TUMAKURU


PRINCIPAL
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Sri Shridevi Charitable Trust (R.)
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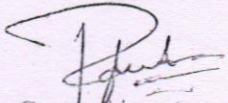


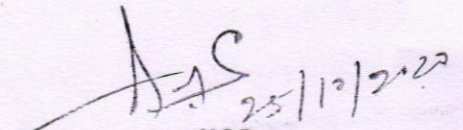
DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Date: 25/10/2020

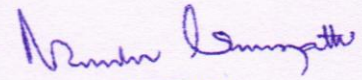
Circular

It is hereby informed to all 5th semester students that the "INDUSTRIAL AUTOMATION" training course from "31st October 2020 to 22nd November 2020" will be conducted all students are informed to attend the training course without fail.


Coordinator


HOD
Dept. of ECE
SIET, TUMAKURU

HOD
Dept of E&C
SIET, Tumkur-6


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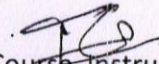
ACADEMIC YEAR 2020-2021

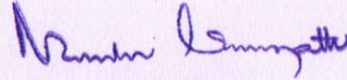
The following is the list of students undergone the value added course on "INDUSTRIAL AUTOMATION" for a duration of one weeks from 31st October 2020 to 22nd November 2020.

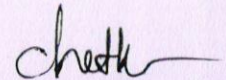
Academic year 2020-21 (5th sem)

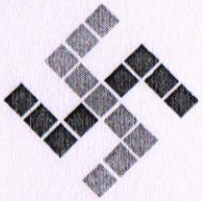
Sl No	Name of the Student	USN	Date:31/9		Date:1/9		Date:7/9		Date:8/9		Date:14/9		Date:15/9	
			M (9AMto PM1)	A (2PMto 5PM)	M (9AMto PM1)	A (2PMto 5PM)	M (9AMto PM1)	A (2PMto 5PM)	M (9AMto PM1)	A (2PMto 5PM)	M (9AMto PM1)	A (2PMto 5PM)	M (9AMto PM1)	A (2PMto 5PM)
1	RAVISH KUMAR	1SV17EC012	Ravi	Ravi	Ravi	Ravi	Ravi	Ravi	Ravi	Ravi	Ravi	Ravi	Ravi	Ravi
2	ANUSHA G S	1SV18EC002	Anu	Anu	Anu	Anu	Anu	Anu	Anu	Anu	Anu	Anu	Anu	Anu
3	BASAVARAJ	1SV18EC004	B	B	B	B	B	B	B	B	B	B	B	B
4	BHARATHI M	1SV18EC005	Bhat	Bhat	Bhat	Bhat	Bhat	Bhat	Bhat	Bhat	Bhat	Bhat	Bhat	Bhat
5	BRUNDA K	1SV18EC006	Bru	Bru	Bru	Bru	Bru	Bru	Bru	Bru	Bru	Bru	Bru	Bru
6	CHANDANA D	1SV18EC007	Chd	Chd	Chd	Chd	Chd	Chd	Chd	Chd	Chd	Chd	Chd	Chd
7	DEVIKA L	1SV18EC008	Dev	Dev	Dev	Dev	Dev	Dev	Dev	Dev	Dev	Dev	Dev	Dev
8	GURANNAGOUDA	1SV18EC009	Gur	Gur	Gur	Gur	Gur	Gur	Gur	Gur	Gur	Gur	Gur	Gur
9	KETANRAJ S	1SV18EC010	Ket	Ket	Ket	Ket	Ket	Ket	Ket	Ket	Ket	Ket	Ket	Ket
10	LATHASHREE K R	1SV18EC011	Lath	Lath	Lath	Lath	Lath	Lath	Lath	Lath	Lath	Lath	Lath	Lath
11	MOUNESH GOUDA	1SV18EC012	Mou	Mou	Mou	Mou	Mou	Mou	Mou	Mou	Mou	Mou	Mou	Mou
12	MOUNIKA Y	1SV18EC013	Mou	Mou	Mou	Mou	Mou	Mou	Mou	Mou	Mou	Mou	Mou	Mou
13	NAGESH D R	1SV18EC014	Nagesh	Nagesh	Nagesh	Nagesh	Nagesh	Nagesh	Nagesh	Nagesh	Nagesh	Nagesh	Nagesh	Nagesh
14	PRASHANTH M	1SV18EC016	Prash	Prash	Prash	Prash	Prash	Prash	Prash	Prash	Prash	Prash	Prash	Prash
15	RACHANA S R	1SV18EC018	Rach	Rach	Rach	Rach	Rach	Rach	Rach	Rach	Rach	Rach	Rach	Rach
16	SADAF NAZ	1SV18EC019	Sada	Sada	Sada	Sada	Sada	Sada	Sada	Sada	Sada	Sada	Sada	Sada
17	SAMEER BICHAGATTI	1SV18EC020	Same	Same	Same	Same	Same	Same	Same	Same	Same	Same	Same	Same
18	SHIRISHA R T	1SV18EC021	Shir	Shir	Shir	Shir	Shir	Shir	Shir	Shir	Shir	Shir	Shir	Shir
19	SIDRAM	1SV18EC022	Sid	Sid	Sid	Sid	Sid	Sid	Sid	Sid	Sid	Sid	Sid	Sid
20	SRINIVAS C	1SV18EC023	Srin	Srin	Srin	Srin	Srin	Srin	Srin	Srin	Srin	Srin	Srin	Srin
21	YASHASWINI K Y	1SV18EC024	Yash	Yash	Yash	Yash	Yash	Yash	Yash	Yash	Yash	Yash	Yash	Yash
22	ARUNA R N	1SV19EC400	Arun	Arun	Arun	Arun	Arun	Arun	Arun	Arun	Arun	Arun	Arun	Arun
23	JYOTHI R	1SV19EC401	Jyoti	Jyoti	Jyoti	Jyoti	Jyoti	Jyoti	Jyoti	Jyoti	Jyoti	Jyoti	Jyoti	Jyoti
24	MAHADEVAIAH M B	1SV19EC402	Maha	Maha	Maha	Maha	Maha	Maha	Maha	Maha	Maha	Maha	Maha	Maha
25	NAVYASHREE S M	1SV19EC403	Navy	Navy	Navy	Navy	Navy	Navy	Navy	Navy	Navy	Navy	Navy	Navy
26	PRAVEEN G D	1SV19EC404	Prave	Prave	Prave	Prave	Prave	Prave	Prave	Prave	Prave	Prave	Prave	Prave
27	SWAMY M	1SV19EC405	Swamy	Swamy	Swamy	Swamy	Swamy	Swamy	Swamy	Swamy	Swamy	Swamy	Swamy	Swamy

Sl No	Name of the Student	USN	Date:21/9		Date:22/9	
			M (9AMto PM1)	A (2PMto 5PM)	M (9AMto PM1)	A (2PMto 5PM)
1	RAVISH KUMAR	1SV17EC012	Pr	Pr	Pr	Pr
2	ANUSHA G S	1SV18EC002	An	An	An	An
3	BASAVARAJ	1SV18EC004	Ba	Ba	Ba	Ba
4	BHARATHI M	1SV18EC005	Bh	Bh	Bh	Bh
5	BRUNDA K	1SV18EC006	Br	Br	Br	Br
6	CHANDANA D	1SV18EC007	Ch	Ch	Ch	Ch
7	DEVIKA L	1SV18EC008	De	De	De	De
8	GURANNAGOUDA	1SV18EC009	Gu	Gu	Gu	Gu
9	KETANRAJ S	1SV18EC010	Ke	Ke	Ke	Ke
10	LATHASHREE K R	1SV18EC011	La	La	La	La
11	MOUNESH GOUDA	1SV18EC012	Mo	Mo	Mo	Mo
12	MOUNIKA Y	1SV18EC013	Mo	Mo	Mo	Mo
13	NAGESH D R	1SV18EC014	Na	Na	Na	Na
14	PRASHANTH M	1SV18EC016	Pr	Pr	Pr	Pr
15	RACHANA S R	1SV18EC018	Ra	Ra	Ra	Ra
16	SADAF NAZ	1SV18EC019	So	So	So	So
17	SAMEER BICHAGATTI	1SV18EC020	So	So	So	So
18	SHIRISHA R T	1SV18EC021	Sh	Sh	Sh	Sh
19	SIDRAM	1SV18EC022	Si	Si	Si	Si
20	SRINIVAS C	1SV18EC023	Sr	Sr	Sr	Sr
21	YASHASWINI K Y	1SV18EC024	Ya	Ya	Ya	Ya
22	ARUNA R N	1SV19EC400	Ar	Ar	Ar	Ar
23	JYOTHI R	1SV19EC401	Jy	Jy	Jy	Jy
24	MAHADEVAIAH M B	1SV19EC402	Ma	Ma	Ma	Ma
25	NAVYASHREE S M	1SV19EC403	Na	Na	Na	Na
26	PRAVEEN G D	1SV19EC404	Pr	Pr	Pr	Pr
27	SWAMY M	1SV19EC405	Sw	Sw	Sw	Sw


Course Instructor


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SIET., TUMAKURU.


Technical program Head



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PARTICIPATION CERTIFICATE

This Certifies that

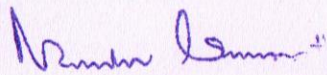
Chandana.D bearing USN - *15V18EC007* of *5th Sem* of
Department of ECE, SIET, Tumkur.
has completed one weeks training program on
INDUSTRIAL AUTOMATION

at our company from Date 30/10/2020 to Date 22/11/2020

We found him / her sincere, hardworking, dedicated and result oriented.

He / She worked well as a part of the team & as an Individual during his / her tenure.

We take this opportunity to thank him / her and wish him / her all the best for the future.

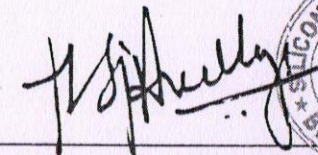


Principal

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M.S.JAYACHANDRA ARADHYA
DIRECTOR
SILICON MICROSYSTEMS
BENGALURU





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PARTICIPATION CERTIFICATE

This Certifies that
Bharathi.M bearing UIN - ISV18EE005 of 5th sem of
Department of ECE, SIET, Tumkur.
has completed one weeks training program on
INDUSTRIAL AUTOMATION

at our company from Date 31/10/2020 to Date 22/11/2020

We found him / her sincere, hardworking, dedicated and result oriented.

He / She worked well as a part of the team & as an Individual during his / her tenure.

We take this opportunity to thank him / her and wish him / her all the best for the future.

Nandini Srinivasan

PRINCIPAL
SIET., TUMAKURU.



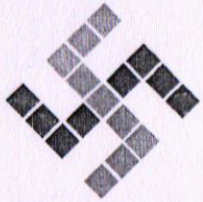
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M.S. Jayachandra Aradhya

M.S.JAYACHANDRA ARADHYA
DIRECTOR
SILICON MICROSYSTEMS
BENGALURU





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PARTICIPATION CERTIFICATE

This Certifies that
Anusha G.S bearing USN - 15V18EC002 of 5th Sem of
Department of ECE, SIET, Tumkur.
has completed one weeks training program on
INDUSTRIAL AUTOMATION

at our company from Date 21/10/2020 to Date 27/11/2020

We found him / her sincere, hardworking, dedicated and result oriented.

He / She worked well as a part of the team & as an individual during his / her tenure.

We take this opportunity to thank him / her and wish him / her all the best for the future.

Principals Signature

PRINCIPAL
SIET, TUMAKURU.



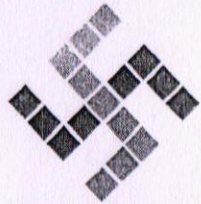
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M.S. Jayachandra Aradhya

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Department of ECE, SIET, Tumkur.
has completed one weeks training program on
INDUSTRIAL AUTOMATION

at our company from Date 30/10/2020 to Date 22/11/2020

We found him / her sincere, hardworking, dedicated and result oriented.

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Principals Signature

PRINCIPAL
SIET., TUMAKURU.


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M.S. Jayachandra Aradhya

M.S.JAYACHANDRA ARADHYA
DIRECTOR
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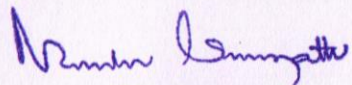
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PARTICIPATION CERTIFICATE

This Certifies that
Bharathi.M bearing USTW - ISVISEE005 of 5th sem of
Department of ECE, SIET, Tumkur,
has completed one weeks training program on
INDUSTRIAL AUTOMATION

at our company from Date 31/10/2020 to Date 22/11/2020

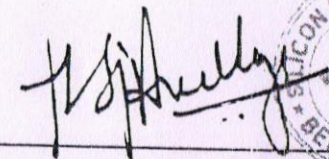
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He / She worked well as a part of the team & as an Individual during his / her tenure.
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SILICON MICROSYSTEMS
BENGALURU





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EDUCATION

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ESTD: 2002



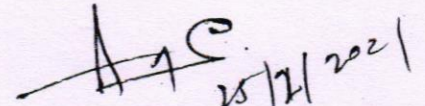
Assessment: Students should obtain

Min 80% of attendance

Min 80% Participation in practice session



Coordinator



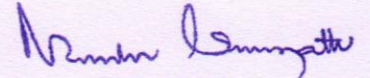
15/12/2021

HOD

HOD

Dept of E&C

SIET, Tumkur-6



PRINCIPAL
SIET., TUMAKURU.



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EDUCATION

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ESTD: 2002



ACADEMIC YEAR 2020-2021

The following is the list of students undergone the value added course on "ROBOTICS" for a duration of two weeks from 27th February 2021 to 18th April 2021.

Academic year 2020-21 (6th sem)

SI No	Name of the Student	USN	Student signature
1	RAVISH KUMAR	1SV17EC012	<i>Rk</i>
2	ANUSHA G S	1SV18EC002	<i>Anusha</i>
3	BASAVARAJ	1SV18EC004	<i>Basavaraj</i>
4	BHARATHI M	1SV18EC005	<i>Bharathi</i>
5	BRUNDA K	1SV18EC006	<i>Brinda</i>
6	CHANDANA D	1SV18EC007	<i>Chandana</i>
7	DEVIKA L	1SV18EC008	<i>Devika</i>
8	GURANNAGOUDA	1SV18EC009	<i>Gurannagouda</i>
9	KETANRAJ S	1SV18EC010	<i>Ketanrajs</i>
10	LATHASHREE K R	1SV18EC011	<i>Lathashree</i>
11	MOUNESH GOUDA	1SV18EC012	<i>Mounesh</i>
12	MOUNIKA Y	1SV18EC013	<i>Mounika</i>
13	NAGESH D R	1SV18EC014	<i>Nagesh</i>
14	PRASHANTH M	1SV18EC016	<i>Prashanth</i>
15	RACHANA S R	1SV18EC018	<i>Rachana</i>
16	SADAF NAZ	1SV18EC019	<i>Sadaf Naz</i>
17	SAMEER BICHAGATTI	1SV18EC020	<i>Sameer</i>
18	SHIRISHA R T	1SV18EC021	<i>Shirisha</i>
19	SIDRAM	1SV18EC022	<i>Sidram</i>
20	SRINIVAS C	1SV18EC023	<i>Srinivas</i>
21	YASHASWINI K Y	1SV18EC024	<i>Yashaswini</i>
22	ARUNA R N	1SV19EC400	<i>Aruna</i>
23	JYOTHI R	1SV19EC401	<i>Jyothi</i>
24	MAHADEVAIAH M B	1SV19EC402	<i>Maha</i>
25	NAVYASHREE S M	1SV19EC403	<i>Navya</i>
26	PRAVEEN G D	1SV19EC404	<i>Praveen</i>
27	SWAMY M	1SV19EC405	<i>Swamy</i>

[Signature]
Coordinator

[Signature]
PRINCIPAL
SIET., TUMAKURU

[Signature]
HOD HOD
Dept of E&O
TUMAKURU



Sri Shridevi Charitable Trust (R.)

SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY

Sira Road, Tumkur - 572 106, Karnataka, India.

Phone: 0816 - 2212629 | Principal: 0816 - 2212627, 9686114899 | Telefax: 0816 - 2212628

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EDUCATION

Email: info@shrideviengineering.org, principal@shrideviengineering.org | Website: www.shrideviengineering.org

(Approved by AICTE, New Delhi, Recognised by Govt. of Karnataka and Affiliated to Visvesvaraya Technological University, Belagavi)

ESTD: 2002



Curriculum for Robotics Course

Introduction

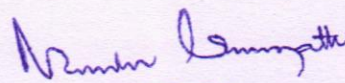
Robotics is a subject that attempts to have machines replicate the actions of humans; most commonly in the manufacturing domain. At its basic level, that of manipulation, robotics is not a new science, rather it is an amalgam of engineering and science disciplines from "classical" fields, such as: mathematics, kinematics, kinetics, electric circuit theory, electronics, communications, control, and computing. At its highest level of abstraction; the level of synthesizing human reasoning and behaviour, robotics deals with the intelligent connection of perception to action. This introductory course is valuable for students who wish to learn about robotics through a study of industrial robot systems analysis and design. This course is suited to students from engineering and science backgrounds that wish to broaden their knowledge through working on a subject that integrates multi-disciplinary technologies.

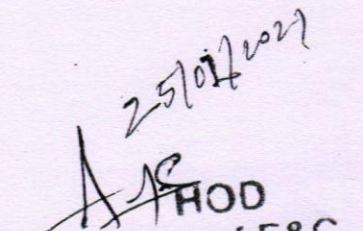
Course Description

- Using Robotic Prototyping kits components like., blocks, sensors, motors, and wheel gears, students build their own robots. While gaining hands-on experience in engineering and computer programming principles, students work independently and in teams, applying their problem-solving skills to program robotic systems that respond to feedback from the environment.
- This course encourages young engineers to apply their Imagination, creative to engineering real-time applications through practical environment.
- Future of Robotics to take research programs and industrial & innovation consultation career in Robotics / mechatronics field.
- Work in local and/or international organisations demonstrating an understanding of global engineering issues
- Apply robotics and mechatronics engineering technical expertise to industry-related fields
- Work autonomously and in teams within organisations or as a consultant
- Apply ethical standards, principles of design for sustainable development, and environmental consideration to conceptualizing and implementing industry-related projects

Lab Facility:

- SiMS – krypton Kits.
- Robo-C / Python and JAVA software compilers
- Iconic representation programming software
- ARM 7 / 9 micro controller with touch pad panel


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25/07/2021

HOD
Dept of E&C
SIET, Tumkur

Academic year 2020-21

The following is the list of students undergone the value added course on "ROBOTICS" for a duration of two weeks from 27th February 2021 to 18th April 2021.

Academic year 2020-21 (6th sem)

Sl No	Name of the Student	USN	Date:27/9		Date:28/9		Date:6/9		Date:7/9		Date:13/9		Date:14/9	
			M (9AMto PM1)	A (2PMto 5PM)	M (9AMto PM1)	A (2PMto 5PM)	M (9AMto PM1)	A (2PMto 5PM)	M (9AMto PM1)	A (2PMto 5PM)	M (9AMto PM1)	A (2PMto 5PM)	M (9AMto PM1)	A (2PMto 5PM)
1	RAVISH KUMAR	1SV17EC012	Ravi	Ravi	Ravi	Ravi	Ravi	Ravi	Ravi	Ravi	Ravi	Ravi	Ravi	Ravi
2	ANUSHA G S	1SV18EC002	Agg	Agg	Agg	Agg	Agg	Agg	Agg	Agg	Agg	Agg	Agg	Agg
3	BASAVARAJ	1SV18EC004	BRaj	BRaj	BRaj	BRaj	BRaj	BRaj	BRaj	BRaj	BRaj	BRaj	BRaj	BRaj
4	BHARATHI M	1SV18EC005	BRi	BRi	BRi	BRi	BRi	BRi	BRi	BRi	BRi	BRi	BRi	BRi
5	BRUNDA K	1SV18EC006	Chandana	Chandana	Chandana	Chandana	Chandana	Chandana	Chandana	Chandana	Chandana	Chandana	Chandana	Chandana
6	CHANDANA D	1SV18EC007	Chd	Chd	Chd	Chd	Chd	Chd	Chd	Chd	Chd	Chd	Chd	Chd
7	DEVIKA L	1SV18EC008	Devi	Devi	Devi	Devi	Devi	Devi	Devi	Devi	Devi	Devi	Devi	Devi
8	GURANNAGOUDA	1SV18EC009	Guru	Guru	Guru	Guru	Guru	Guru	Guru	Guru	Guru	Guru	Guru	Guru
9	KETANRAJ S	1SV18EC010	Petan	Petan	Petan	Petan	Petan	Petan	Petan	Petan	Petan	Petan	Petan	Petan
10	LATHASHREE K R	1SV18EC011	Latha	Latha	Latha	Latha	Latha	Latha	Latha	Latha	Latha	Latha	Latha	Latha
11	MOUNESH GOUDA	1SV18EC012	Mg	Mg	Mg	Mg	Mg	Mg	Mg	Mg	Mg	Mg	Mg	Mg
12	MOUNIKA Y	1SV18EC013	Monika	Monika	Monika	Monika	Monika	Monika	Monika	Monika	Monika	Monika	Monika	Monika
13	NAGESH D R	1SV18EC014	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
14	PRASHANTH M	1SV18EC016	Pm	Pm	Pm	Pm	Pm	Pm	Pm	Pm	Pm	Pm	Pm	Pm
15	RACHANA S R	1SV18EC018	Rach	Rach	Rach	Rach	Rach	Rach	Rach	Rach	Rach	Rach	Rach	Rach
16	SADAF NAZ	1SV18EC019	Sad	Sad	Sad	Sad	Sad	Sad	Sad	Sad	Sad	Sad	Sad	Sad
17	SAMEER BICHAGATTI	1SV18EC020	Sam	Sam	Sam	Sam	Sam	Sam	Sam	Sam	Sam	Sam	Sam	Sam
18	SHIRISHA R T	1SV18EC021	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR
19	SIDRAM	1SV18EC022	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
20	SRINIVAS C	1SV18EC023	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR
21	YASHASWINI K Y	1SV18EC024	YK	YK	YK	YK	YK	YK	YK	YK	YK	YK	YK	YK
22	ARUNA R N	1SV19EC400	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
23	JYOTHI R	1SV19EC401	JR	JR	JR	JR	JR	JR	JR	JR	JR	JR	JR	JR
24	MAHADEVAIAH M B	1SV19EC402	MNB	MNB	MNB	MNB	MNB	MNB	MNB	MNB	MNB	MNB	MNB	MNB
25	NAVYASHREE S M	1SV19EC403	Nsm	Nsm	Nsm	Nsm	Nsm	Nsm	Nsm	Nsm	Nsm	Nsm	Nsm	Nsm
26	PRAVEEN G D	1SV19EC404	Prg	Prg	Prg	Prg	Prg	Prg	Prg	Prg	Prg	Prg	Prg	Prg
27	SWAMY M	1SV19EC405	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM

Principals Signature

PRINCIPAL
SIET., TUMAKURU

Sl No	Name of the Student	USN	Date:20/9		Date:21/9		Date:27/9		Date:28/9		Date:6/9		Date:7/9	
			M (9AMto PM1)	A (2PMto 5PM)	M (9AMto PM1)	A (2PMto 5PM)	M (9AMto PM1)	A (2PMto 5PM)	M (9AMto PM1)	A (2PMto 5PM)	M (9AMto PM1)	A (2PMto 5PM)	M (9AMto PM1)	A (2PMto 5PM)
1	RAVISH KUMAR	1SV17EC012	B	A	B	A	B	A	B	A	B	A	B	A
2	ANUSHA G S	1SV18EC002	B	A	B	A	B	A	B	A	B	A	B	A
3	BASAVARAJ	1SV18EC004	B	A	B	A	B	A	B	A	B	A	B	A
4	BHARATHI M	1SV18EC005	B	A	B	A	B	A	B	A	B	A	B	A
5	BRUNDA K	1SV18EC006	B	A	B	A	B	A	B	A	B	A	B	A
6	CHANDANA D	1SV18EC007	B	A	B	A	B	A	B	A	B	A	B	A
7	DEVIKA L	1SV18EC008	B	A	B	A	B	A	B	A	B	A	B	A
8	GURANNAGOUDA	1SV18EC009	B	A	B	A	B	A	B	A	B	A	B	A
9	KETANRAJS	1SV18EC010	B	A	B	A	B	A	B	A	B	A	B	A
10	LATHASHREE K R	1SV18EC011	B	A	B	A	B	A	B	A	B	A	B	A
11	MOUNESH GOUDA	1SV18EC012	B	A	B	A	B	A	B	A	B	A	B	A
12	MOUNIKA Y	1SV18EC013	B	A	B	A	B	A	B	A	B	A	B	A
13	NAGESH D R	1SV18EC014	B	A	B	A	B	A	B	A	B	A	B	A
14	PRASHANTH M	1SV18EC016	B	A	B	A	B	A	B	A	B	A	B	A
15	RACHANA S R	1SV18EC018	B	A	B	A	B	A	B	A	B	A	B	A
16	SADAF NAZ	1SV18EC019	B	A	B	A	B	A	B	A	B	A	B	A
17	SAMEER BICHAGATTI	1SV18EC020	B	A	B	A	B	A	B	A	B	A	B	A
18	SHIRISHA R T	1SV18EC021	B	A	B	A	B	A	B	A	B	A	B	A
19	SIDRAM	1SV18EC022	B	A	B	A	B	A	B	A	B	A	B	A
20	SRINIVAS C	1SV18EC023	B	A	B	A	B	A	B	A	B	A	B	A
21	YASHASWINI K Y	1SV18EC024	B	A	B	A	B	A	B	A	B	A	B	A
22	ARUNA R N	1SV19EC400	B	A	B	A	B	A	B	A	B	A	B	A
23	JYOTHI R	1SV19EC401	B	A	B	A	B	A	B	A	B	A	B	A
24	MAHADEVAIAH M B	1SV19EC402	B	A	B	A	B	A	B	A	B	A	B	A
25	NAVYASHREE S M	1SV19EC403	B	A	B	A	B	A	B	A	B	A	B	A
26	PRAVEEN G D	1SV19EC404	B	A	B	A	B	A	B	A	B	A	B	A
27	SWAMY M	1SV19EC405	B	A	B	A	B	A	B	A	B	A	B	A

Nimish Kumar
PRINCIPAL
SIET., TUMAKURU

Sl No	Name of the Student	USN	Date:13/9		Date:14/9		Date:18/9	
			M (9AMto PM1)	A (2PMto 5PM)	M (9AMto PM1)	A (2PMto 5PM)	M (9AMto PM1)	A (2PMto 5PM)
1	RAVISH KUMAR	1SV17EC012						
2	ANUSHA G S	1SV18EC002						
3	BASAVARAJ	1SV18EC004						
4	BHARATHI M	1SV18EC005						
5	BRUNDA K	1SV18EC006						
6	CHANDANA D	1SV18EC007						
7	DEVIKA L	1SV18EC008						
8	GURANNAGOUDA	1SV18EC009						
9	KETANRAJ S	1SV18EC010						
10	LATHASHREE K R	1SV18EC011						
11	MOUNESH GOUDA	1SV18EC012						
12	MOUNIKA Y	1SV18EC013						
13	NAGESH D R	1SV18EC014						
14	PRASHANTH M	1SV18EC016						
15	RACHANA S R	1SV18EC018						
16	SADAF NAZ	1SV18EC019						
17	SAMEER BICHAGATTI	1SV18EC020						
18	SHIRISHA R T	1SV18EC021						
19	SIDRAM	1SV18EC022						
20	SRINIVAS C	1SV18EC023						
21	YASHASWINI K Y	1SV18EC024						
22	ARUNA R N	1SV19EC400						
23	JYOTHI R	1SV19EC401						
24	MAHADEVAIAH M B	1SV19EC402						
25	NAVYASHREE S M	1SV19EC403						
26	PRAVEEN G D	1SV19EC404						
27	SWAMY M	1SV19EC405						

J.C.
Course Instructor

Nandur Srinivas
PRINCIPAL
SIET., TUMAKURU

Chethu
Technical program Head



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www.simsindia.net

PARTICIPATION CERTIFICATE

This Certifies that
Mounika.y bearing USN-15V18EC013 of 6th sem of
Department of ECE, SIET, Tumkur.
has completed two weeks training program on
ROBOTICS

at our company from Date 27/02/2021 to Date 18/04/2021

We found him / her sincere, hardworking, dedicated and result oriented.

He / She worked well as a part of the team & as an Individual during his / her tenure.

We take this opportunity to thank him / her and wish him / her all the best for the future.

Ramesh Kumar

PRINCIPAL
SIET., TUMAKURU.



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M.S. Jayachandra Aradhya

M.S.JAYACHANDRA ARADHYA
DIRECTOR
SILICON MICROSYSTEMS
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PARTICIPATION CERTIFICATE

This Certifies that

www.simsindia.net *Brunda-k bearing USN-ISV18EC006 of 6th sem of Department of ECE, SIET, Tumkur.*
has completed two weeks training program on
ROBOTICS

at our company from Date 27/02/2021 to Date 18/04/2021

We found him / her sincere, hardworking, dedicated and result oriented.

He / She worked well as a part of the team & as an Individual during his / her tenure.

We take this opportunity to thank him / her and wish him / her all the best for the future.

Principa Lemingattu
PRINCIPAL
SIET., TUMAKURU.


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www.ximax.in

M.S. Jayachandra Aradhya
M.S.JAYACHANDRA ARADHYA
DIRECTOR
SILICON MICROSYSTEMS
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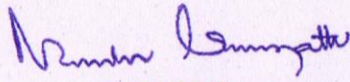
This Certifies that
Devika S bearing USN-15V18EC008 of 6th Sem of
Department of ECE, SIET, Tumkur
has completed two weeks training program on
ROBOTICS

at our company from Date 27/02/2021 to Date 18/04/2021

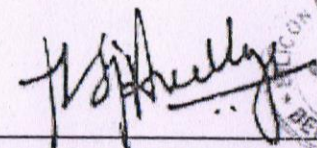
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He / She worked well as a part of the team & as an Individual during his / her tenure.

We take this opportunity to thank him / her and wish him / her all the best for the future.


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M.S.JAYACHANDRA ARADHYA
DIRECTOR
SILICON MICROSYSTEMS
BENGALURU





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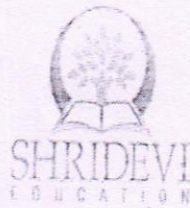
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SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY

SIRA ROAD, TUKAKURU


DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

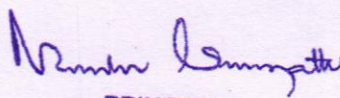


A REPORT ON

“SIET ELECTRONICS & COMMUNICATION CERIFICATION COURSE”

2019-20


HOD
Dept of E&C
Sira f, Tumkur-6



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Extra Set.

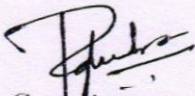


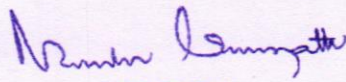
ACADEMIC YEAR 2019-2020

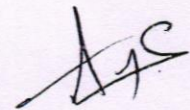
The following is the list of students undergone the value added course on “FPGA BASED VLSI DESIGN “ for a duration of one weeks from 28th September 2019 to 20th October 2019.

Academic year 2019-2020 (7th sem)

SI No	Name of The Student	USN	Student signature
1	RAMYA K	1SV14EC026	Ramyak
2	RASHMIN BEGAM H	1SV14EC029	Rb
3	ARUN C G	1SV15EC005	Acg
4	BHAVANA N	1SV15EC007	Bn
5	GAGANA S K	1SV15EC013	Gsb
6	KAVYA S	1SV15EC018	Kavya
7	NOOR AYESHA	1SV15EC027	Na
8	RAGHURAJ G K	1SV15EC035	Rgk
9	USHA Y M	1SV15EC049	USHA
10	VISHWAS S P	1SV15EC052	VSP
11	ANUSHA T P	1SV16EC402	ATP


Coordinator


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Dept of E&C
SIET, Tumkur-6

Curriculum for FPGA based VLSI Design Course

Introduction to VLSI

- VLSI terminologies
- Design Flow-Front End & Backend

Advanced digital logic design

- Combinational & Sequential Circuits
- Timing issues in digital design
- Finite State Machines-Moore and Mealy
- Design Examples

VHDL

- Introduction to VHDL
- Data objects, data types
- Modeling of digital circuits (behavioral, dataflow, structural)
- Functions and Procedures
- Test benches
- Advanced VHDL concepts
- Coding guide lines & Synthesis issues

Field Programmable Gate Arrays

- Introduction to Programmable Devices
- FPGA Architecture and design Flow
- Introduction to FPGA devices
- Implementation details
- CLBs and Input/Output Blocks
- Luts, SLICE DFFs
- Dedicated MUXes

AS
2-8/9/2019

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Dept of E&C
SIET, Tumkur-6

Principal

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- Programmable Interconnects
- Architectural Resources
- Power Distribution and Configuration

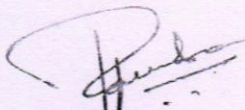
Assignments

- Lab experiments on design tools, netlist, simulation
- Downloading codes on Chip board – FPGA-CPLD
- Writing applications for interfacing modules.

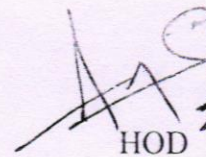
Assessment: Students should obtain

Min 80% of attendance

Min 80% Participation in practice session

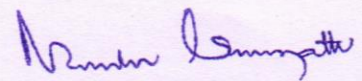


Coordinator



HOD 28/9/2019

HOD
Dept of EEC
SIET, Tumkur



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Sira Road, Tumakuru - 572 106. Karnataka.



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EDUCATION

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Ref: SIET/EC/2019-20/01

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

APPROVAL LETTER

To,
The Principal,
SIET, Tumakuru

Respected Sir,

Sub: - Approval for Organizing Students Training Program on "FPGA BASED VLSI DESIGN"-Reg.

With reference to the subject cited above, I would like to bring to your kind notice that, the Department is planned to organize Student Training Program on "FPGA BASED VLSI DESIGN" from "28th September 2019 to 20th October 2019" for 7th semester Electronics & communication engineering students.

Kindly consider the above request and approve the same for further proceedings.

Thanking you

Date: 21/9/2019

Place: SIET, Tumakuru.

Coordinator

HOD

Dept. of ECE
SIET, TUMAKURU

HOD

Dept of E&C
SIET, Tumkur-6

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SIET, TUMAKURU

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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

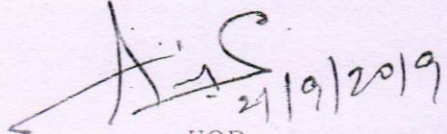
Date: 21/9/2019

Circular

It is hereby informed to all 7th semester students that the "FPGA BASED VL DESIGN" training course from "28th September 2019 to 20th October 2019" will be conducted all students are informed to attend the training course without fail.



Coordinator

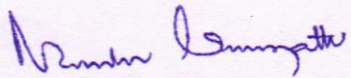

21/9/2019

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SIET, TUMAKURU

HOD

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SIET, Tumkur-6



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SIET, TUMAKURU

ACADEMIC YEAR 2019-2020

The following is the list of students undergone the value added course on "FPGA BASED VLSI DESIGN" for a duration of one weeks from 28th September 2019 to 20th October 2019.

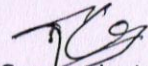
Academic year 2019-2020 (7th sem)

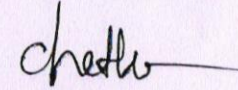
Sl No	Name of the Student	USN	Date:28/9		Date:29/9		Date:5/9		Date:6/9		Date:12/9		Date:13/9	
			M (9AMto 1PM)	A (2PMto 5PM)	M (9AMto 1PM)	A (2PMto 5PM)	M (9AMto 1PM)	A (2PMto 5PM)	M (9AMto 1PM)	A (2PMto 5PM)	M (9AMto 1PM)	A (2PMto 5PM)	M (9AMto 1PM)	A (2PMto 5PM)
1	RAMYA K	1SV14EC026	Pa	Pa	Pa	Pa	Pa	Pa	Pa	Pa	Pa	Pa	Pa	Pa
2	RASHMIN BEGAM H	1SV14EC029	Pa	Pa	Pa	Pa	Pa	Pa	Pa	Pa	Pa	Pa	Pa	Pa
3	ARUN C G	1SV15EC005	A	A	A	A	A	A	A	A	A	A	A	A
4	BHAVANA N	1SV15EC007	B	B	B	B	B	B	B	B	B	B	B	B
5	GAGANA S K	1SV15EC013	Ga	Ga	Ga	Ga	Ga	Ga	Ga	Ga	Ga	Ga	Ga	Ga
6	KAVYA S	1SV15EC018	Ka	Ka	Ka	Ka	Ka	Ka	Ka	Ka	Ka	Ka	Ka	Ka
7	NOOR AYESHA	1SV15EC027	Na	Na	Na	Na	Na	Na	Na	Na	Na	Na	Na	Na
8	RAGHURAJ G K	1SV15EC035	Ragu	Ragu	Ragu	Ragu	Ragu	Ragu	Ragu	Ragu	Ragu	Ragu	Ragu	Ragu
9	USHA Y M	1SV15EC049	Usha	Usha	Usha	Usha	Usha	Usha	Usha	Usha	Usha	Usha	Usha	Usha
10	VISHWAS P	1SV15EC052	Vish	Vish	Vish	Vish	Vish	Vish	Vish	Vish	Vish	Vish	Vish	Vish
11	ANUSHA T P	1SV16EC402	Anu	Anu	Anu	Anu	Anu	Anu	Anu	Anu	Anu	Anu	Anu	Anu

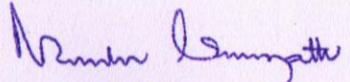
Principals Signature

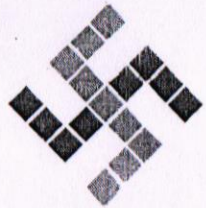
PRINCIPAL
SIET, TUMAKURU.

Sl No	Name of the Student	USN	Date:19/9		Date:20/9	
			M (9AMto PM1)	A (2PMto 5PM)	M (9AMto PM1)	A (2PMto 5PM)
1	RAMYA K	1SV14EC026	Ramya	Ramya	Ramya	Ramya
2	RASHMIN BEGAM H	1SV14EC029	Rashmi	Rashmi	Rashmi	Rashmi
3	ARUN C G	1SV15EC005	A	A	A	A
4	BHAVANA N	1SV15EC007	B	B	B	B
5	GAGANA S K	1SV15EC013	G	G	G	G
6	KAVYA S	1SV15EC018	K	K	K	K
7	NOOR AYESHA	1SV15EC027	N	N	N	N
8	RAGHURAJ G K	1SV15EC035	Ragu	Ragu	Ragu	Ragu
9	USHA Y M	1SV15EC049	Usha	Usha	Usha	Usha
10	VISHWAS S P	1SV15EC052	Vishu	Vishu	Vishu	Vishu
11	ANUSHA T P	1SV16EC402	Anu	Anu	Anu	Anu


Course Instructor


Technical program Head


PRINCIPAL
SIET., TUMAKURU.



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PARTICIPATION CERTIFICATE

This Certifies that
Anusha.T.P. bearing USN - 19V18ECH02 of 7th sem of
Department of ECE, SIET, Tumkur.
has completed one weeks training program on
FPGA BASED VLSI DESIGN

at our company from Date 28/09/2019 to Date 20/10/2019

We found him / her sincere, hardworking, dedicated and result oriented.

He / She worked well as a part of the team & as an Individual during his / her tenure.

We take this opportunity to thank him / her and wish him / her all the best for the future.

Nanda Srinivas

PRINCIPAL
SIET., TUMAKURU.



XIMAX

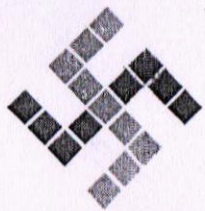
SKILL UNIVERSITY

www.ximax.in

M.S. Jayachandra Aradhya



M.S.JAYACHANDRA ARADHYA
DIRECTOR
SILICON MICROSYSTEMS
BENGALURU



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microsystems**

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www.simsindia.net

PARTICIPATION CERTIFICATE

This Certifies that

Vishwas S.P bearing USN-15VISECO52 of 7th sem of
Department of ECE, SIET, Tumkur.

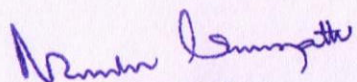
has completed one weeks training program on
FPGA BASED VLSI DESIGN

at our company from Date 20/09/2019 to Date 20/10/2019.

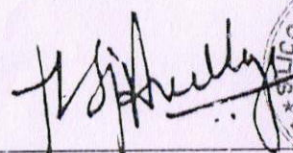
We found him / her sincere, hardworking, dedicated and result oriented.

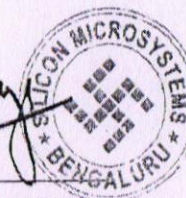
He / She worked well as a part of the team & as an Individual during his / her tenure.

We take this opportunity to thank him / her and wish him / her all the best for the future.


PRINCIPAL
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M.S.JAYACHANDRA ARADHYA
DIRECTOR
SILICON MICROSYSTEMS
BENGALURU





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an ISO 9001:2008 certified company

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PARTICIPATION CERTIFICATE

This Certifies that
Gagana S. K bearing UIN - ISV15EC013 of 7th Sem of
Department of ECE, SIET, Tumkur,
has completed one weeks training program on
FPGA BASED VLSI DESIGN

at our company from Date 25/09/2019 to Date 20/10/2019.

We found him / her sincere, hardworking, dedicated and result oriented.

He / She worked well as a part of the team & as an individual during his / her tenure.

We take this opportunity to thank him / her and wish him / her all the best for the future.

Manjunath
PRINCIPAL
SIET, TUMAKURU


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M.S. Jayachandra Aradhya
M.S. JAYACHANDRA ARADHYA
DIRECTOR
SILICON MICROSYSTEMS
BENGALURU





ACADEMIC YEAR 2019-2020

The following is the list of students undergone the value added course on "ASIC BASED VLSI DESIGN" for a duration of two weeks from 21st March 2020 to 5th April 2020.

Academic year 2019-2020 (8th sem)

SI No	Name of The Student	USN	Student signature
1	RAMYA K	1SV14EC026	
2	RASHMIN BEGAM H	1SV14EC029	
3	ARUN C G	1SV15EC005	
4	BHAVANAN	1SV15EC007	
5	GAGANA S K	1SV15EC013	
6	KAVYAS	1SV15EC018	
7	NOOR AYESHA	1SV15EC027	
8	RAGHURAJ G K	1SV15EC035	
9	USHA Y M	1SV15EC049	
10	VISHWASS P	1SV15EC052	
11	ANUSHA T P	1SV16EC402	

Coordinator

PRINCIPAL
SIET, TUMAKURU

HOD
HOD
COO OF E.R.C
SIET, Tumkur-6

Curriculum for ASIC based VLSI design Course

Introduction to

- VLSI Design Flow
- ASIC Vs FPGA
- RTL Design Methodologies
- Introduction to ASIC Verification Methodologies
- VLSI Design Flow Steps - Demo

Advanced Digital Design

- Introduction to Digital Electronics
- Arithmetic Circuits
- Data processing Circuits
- Universal Logic Elements
- Combinational Circuits - Design and Analysis
- Latches and Flip flops
- Shift Registers and Counters
- Sequential Circuits - Design and Analysis
- Memories and PLD
- Finite State Machine
- Microcontroller Design

Static Timing Analysis

- Introduction to STA
- Comparison with DTA
- Timing Path and Constraints
- Different types of clocks
- Clock domain and Variations
- Clock Distribution Networks

Nandha Lingappa

PRINCIPAL
SIET., TUMAKURU

AGC
21/3/2020
HOD
Dept of E&C
S.I.E.T., Tumkur-6

- How to fix timing failure

CMOS Fundamentals


- Non Ideal characteristics
 - BJT vs FET
 - CMOS Characteristics
 - CMOS circuit design
 - Transistor sizing
 - Layout and Stick Diagrams
 - CMOS Processing Steps
-

- Fabrication
- CMOS Technology - Current Trends

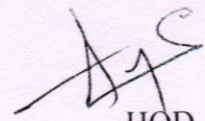
Assessment: Students should obtain

Min 80% of attendance

Min 80% Participation in practice session



Coordinator



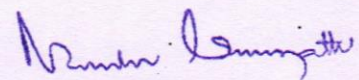
HOD

21/3/2020

HOD

Dept of E&C

Siet, Tumkur-6



PRINCIPAL
SIET, TUMAKURU

Ref: SIET/EC/2019-20/02

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

APPROVAL LETTER

To,
The Principal,
SIET, Tumakuru

Respected Sir,

Sub: - Approval for Organizing Students Training Program on "ASIC BASED VLSI DESIGN"-Req.

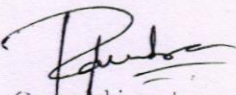
With reference to the subject cited above, I would like to bring to your kind notice that, the Department is planned to organize Student Training Program on "ASIC BASED VLSI DESIGN" from "21st March 2020 to 5th April 2020" for 8th semester Electronics & communication engineering students.

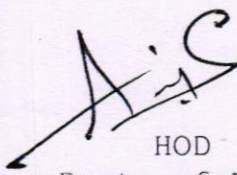
Kindly consider the above request and approve the same for further proceedings.

Thanking you

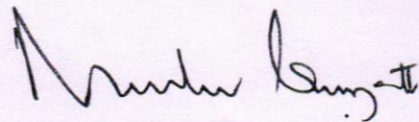
Date: 15/3/2020

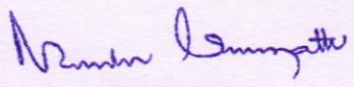
Place: SIET, Tumakuru.


Coordinator


HOD
Dept. of ECE
SIET, TUMAKURU

HOD
Dept of E&C
SIET, Tumkur-6


PRINCIPAL
SIET, TUMAKURU


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Sri Shridevi Charitable Trust (R.)
SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY

(Recognised by Govt. of Karnataka, Affiliated to VTU, Belagavi and Approved by AICTE, New Delhi)

Sira Road, Tumakuru - 572 106. Karnataka.

Phone: 0816-2212629 | Fax: 0816-2212628 | Email: info@shrideviengineering.org | Web: <http://www.shrideviengineering.org>

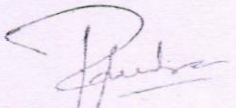


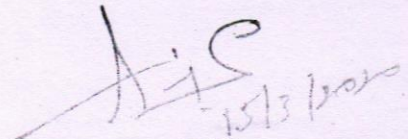
DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Date: 15/3/2020

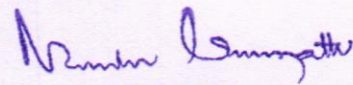
Circular

It is hereby informed to all 8th semester students that the "ASIC BASED VLSI DESIGN" training course from "21st March 2020 to 5th April 2020" will be conducted all students are informed to attend the training course without fail.


Coordinator


HOD
Dept. of ECE
SIET, TUMAKURU

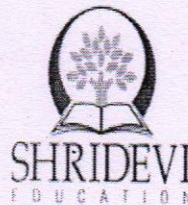
HOD
Dept of E&C
SIET, Tumkur-6


PRINCIPAL
SIET, TUMAKURU

SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY

SIRA ROAD, TUKAKURU

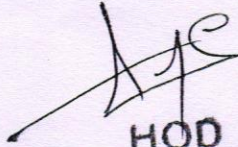
DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

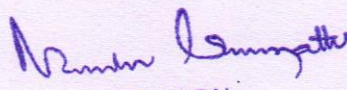


A REPORT ON

“SIET ELECTRONICS & COMMUNICATION CERIFICATION
COURSE”

2018-19


HOD
Dept of E&C
SiET, Tumkur-8


PRINCIPAL
SIET., TUMAKURU.



ACADEMIC YEAR 2018-2019

The following is the list of students undergone the value added course on "ANTENNA DESIGN" for a duration of one weeks from 8th September 2018 to 30th September 2018.

Academic year 2018-19 (7th)

Sl No	Name of The Student	USN	Student signature
1	LAHARI N RAJ	1SV14EC015	Lahari N. Raj
2	ABHISHEK G SHEELVANT	1SV15EC001	Abhishek G Sheelvant
3	AISHWARYA S M	1SV15EC002	Aishwarya
4	AKSHATA BIRADAR	1SV15EC003	Akshata
5	AMEENA ROUSHNIE	1SV15EC004	Ameena Roushnie
6	CL BALAJI	1SV15EC009	Balaji
7	CHAITHRA M	1SV15EC010	Chaithra M
8	D CHANDANA	1SV15EC011	Chandana
9	DEEPIKA H P	1SV15EC012	Deepika H P
10	GEETA RAMESHAPPA HANCHI	1SV15EC014	Geeta Rameshappa Hanchi
11	HARINI D C	1SV15EC016	Harini D C
12	S KAVITHA	1SV15EC017	S. Kavitha
13	MAMATHA M S	1SV15EC020	Mamatha M S
14	NITHYA SHREE B T	1SV15EC026	Nityashree B T
15	PADMA M A	1SV15EC028	Padma M A
16	POOJA K S	1SV15EC030	Pooja K S
17	PRABIN KARKI	1SV15EC031	Prabin Karki
18	PRASHANT CHOUDRI	1SV15EC032	Prashant Choudri
19	PREETHI BAI B L	1SV15EC033	Preethi
20	PRIYANKA K	1SV15EC034	Priyanka K
21	RAKSHA M V	1SV15EC036	Raksha M V
22	RAMYA M G	1SV15EC038	Ramyam G
23	RANJITHA B M	1SV15EC039	Ranjitha B M
24	ROHITH P	1SV15EC040	Rohith P
25	SAVITA HOSALLI	1SV15EC041	Savita Hosalli

Coordinator

HOD

HOD
Dept of E&C
SIET, Tumkur-6

PRINCIPAL
SIET., TUMAKURU.

Curriculum for Antenna Design Course

Overview:

Antennas play a major role in the wireless world. Current generation of communication systems have variety of antennas catering to diversified requirements. Hence there is a need to study the design, fabrication, measurement and testing of antennas.

Academic community can enrich their domain knowledge through our courses and in turn help the student's community to enhance their knowledge about antenna technologies.

Students can get special training for their projects/ research and also industry approach for their future job opportunity.

Upon completion of the course, trainees will:

- Be proficient in basic electromagnetic principles or to investigate the finer intricacies of the different CEM techniques for various applications such as Antenna Design, Simulations, Antenna Placements, EMI/EMC, Microwave Engineering, etc.

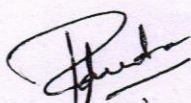
Applications

- 3D antenna design analysis of horns, micro strip patches, wire antennas, reflector antennas, conformal antennas, broadband antennas, arrays
- Antenna placement analysis of antenna radiation patterns, radiation hazard zones, etc. with an antenna placed on a large structure, e.g. ship, aircraft, armored car
- Electromagnetic coupling and interference (EMC, EMI) analysis of diverse EMC problems including shielding effectiveness of an enclosure, cable coupling analysis in complex environments, e.g. wiring in a car, radiation hazard analysis

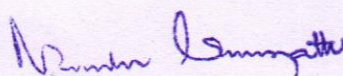
Assessment: Students should obtain

Min 80% of attendance


Min 80% Participation in practice session



Coordinator



PRINCIPAL
SIET., TUMAKURU.



HOD
HOD
Dept of E&C
SIET, Tumkur-6

Curriculum for Antenna Design Course

Overview:

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Applications

- 3D antenna design analysis of horns, micro strip patches, wire antennas, reflector antennas, conformal antennas, broadband antennas, arrays
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- Electromagnetic coupling and interference (EMC, EMI) analysis of diverse EMC problems including shielding effectiveness of an enclosure, cable coupling analysis in complex environments, e.g. wiring in a car, radiation hazard analysis

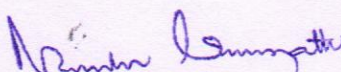
Assessment: Students should obtain

Min 80% of attendance

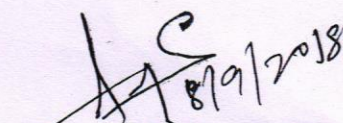
Min 80% Participation in practice session



Coordinator



PRINCIPAL
SIET., TUMAKURU.



HOD
HOD
Dept of E&C
SIET, Tumkur-6

Curriculum for Antenna Design Course

Overview:

Antennas play a major role in the wireless world. Current generation of communication systems have variety of antennas catering to diversified requirements. Hence there is a need to study the design, fabrication, measurement and testing of antennas.

Academic community can enrich their domain knowledge through our courses and in turn help the student's community to enhance their knowledge about antenna technologies.

Students can get special training for their projects/ research and also industry approach for their future job opportunity.

Upon completion of the course, trainees will:

- Be proficient in basic electromagnetic principles or to investigate the finer intricacies of the different CEM techniques for various applications such as Antenna Design, Simulations, Antenna Placements, EMI/EMC, Microwave Engineering, etc.

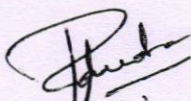
Applications

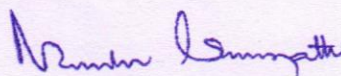
- 3D antenna design analysis of horns, micro strip patches, wire antennas, reflector antennas, conformal antennas, broadband antennas, arrays
- Antenna placement analysis of antenna radiation patterns, radiation hazard zones, etc. with an antenna placed on a large structure, e.g. ship, aircraft, armored car
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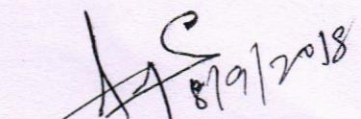
Assessment: Students should obtain

Min 80% of attendance

Min 80% Participation in practice session


Coordinator


PRINCIPAL
SIET., TUMAKURU.


HOD
HOD
Dept of E&C
SiET, Tumkur-6



SHRIDEVI
EDUCATION

Sri Shridevi Charitable Trust (R.)

SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY

(Recognised by Govt. of Karnataka, Affiliated to VTU, Belagavi and Approved by AICTE, New Delhi)

Sira Road, Tumakuru - 572 106, Karnataka.



An ISO 9001:2015 Certified Institution

Phone: 0816-2212629 | Fax: 0816-2212628 | Email: info@shrideviengineering.org | Web: http://www.shrideviengineering.org

Ref: SIET/EC/2018-19/01

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

APPROVAL LETTER

To,
The Principal,
SIET, Tumakuru

Respected Sir,

Sub: - Approval for Organizing Students Training Program on "ANTENNA DESIGN"-Reg.


With reference to the subject cited above, I would like to bring to your kind notice that, the Department is planned to organize Student Training Program on "ANTENNA DESIGN" from "8th September 2018 to 30th September 2018" for 7th semester Electronics & communication engineering students.

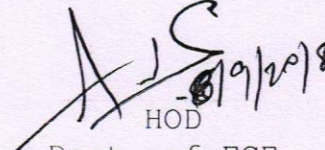
Kindly consider the above request and approve the same for further proceedings.

Thanking you

Date: 01/9/2018

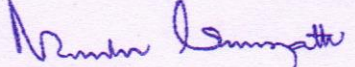
Place: SIET, Tumakuru.


Coordinator


HOD
Dept. of ECE
SIET, TUMAKURU

HOD
Dept of E&C
SIET, Tumkur-6

PRINCIPAL
SIET, TUMAKURU


PRINCIPAL
SIET., TUMAKURU.



Sri Shridevi Charitable Trust (R.)
SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY

(Recognised by Govt. of Karnataka, Affiliated to VTU, Belagavi and Approved by AICTE, New Delhi)

Sira Road, Tumakuru - 572 106. Karnataka.



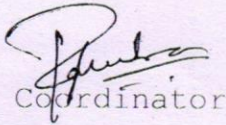
Phone: 0816-2212629 | Fax: 0816-2212628 | Email: info@shrideviengineering.org | Web: http://www.shrideviengineering.org

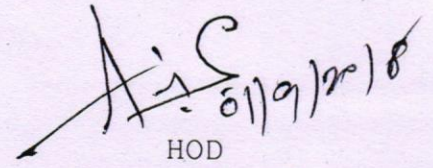
DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Date: 01/9/2018

Circular

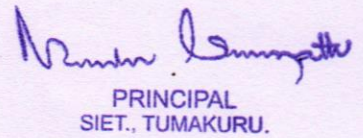
It is hereby informed to all 7th semester students that the "ANTENNA DESIGN training course from "8th September 2018 to 30th September 2018" will be conducted all students are informed to attend the training course with full attention.


Coordinator


HOD

Dept. of ECE
SIET, TUMAKURU

HOD
Dept of E&C
SIET, Tumkur-6


PRINCIPAL
SIET., TUMAKURU.

ACADEMIC YEAR 2018-2019

The following is the list of students undergone the value added course on "ANTENNA DESIGN " for a duration of one weeks from 8th September 2018 to 30thSeptember 2018.

Academic year 2018-2019 (7thsem)

Sl No	Name of the Student	USN	Date:8/9		Date:9/9		Date:15/9		Date:16/9		Date:22/9		Date:23/9	
			M (9AMto PM1)	A (2PMto 5PM)	M (9AMto PM1)	A (2PMto 5PM)	M (9AMto PM1)	A (2PMto 5PM)	M (9AMto PM1)	A (2PMto 5PM)	M (9AMto PM1)	A (2PMto 5PM)	M (9AMto PM1)	A (2PMto 5PM)
1	LAHARI N RAJ	1SV14EC015	Lahar	Lahar	Lahar	Lahar	Lahar	Lahar	Lahar	Lahar	Lahar	Lahar	Lahar	Lahar
2	ABHISHEK G SHEELVANT	1SV15EC001	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek
3	AISHWARYA S M	1SV15EC002	Aishwarya	Aishwarya	Aishwarya	Aishwarya	Aishwarya	Aishwarya	Aishwarya	Aishwarya	Aishwarya	Aishwarya	Aishwarya	Aishwarya
4	AKSHATA BIRADAR	1SV15EC003	Akshata	Akshata	Akshata	Akshata	Akshata	Akshata	Akshata	Akshata	Akshata	Akshata	Akshata	Akshata
5	AMEENA ROUSHNIE	1SV15EC004	Ameena	Ameena	Ameena	Ameena	Ameena	Ameena	Ameena	Ameena	Ameena	Ameena	Ameena	Ameena
6	CL BALAJI	1SV15EC009	Cl Balaji	Cl Balaji	Cl Balaji	Cl Balaji	Cl Balaji	Cl Balaji	Cl Balaji	Cl Balaji	Cl Balaji	Cl Balaji	Cl Balaji	Cl Balaji
7	CHAITHRA M	1SV15EC010	Chaithra	Chaithra	Chaithra	Chaithra	Chaithra	Chaithra	Chaithra	Chaithra	Chaithra	Chaithra	Chaithra	Chaithra
8	D CHANDANA	1SV15EC011	D Chandana	D Chandana	D Chandana	D Chandana	D Chandana	D Chandana	D Chandana	D Chandana	D Chandana	D Chandana	D Chandana	D Chandana
9	DEEPIKA H P	1SV15EC012	Deepika	Deepika	Deepika	Deepika	Deepika	Deepika	Deepika	Deepika	Deepika	Deepika	Deepika	Deepika
10	GEETA RAMESHAPPA HANCHI	1SV15EC014	Geeta	Geeta	Geeta	Geeta	Geeta	Geeta	Geeta	Geeta	Geeta	Geeta	Geeta	Geeta
11	HARINI D C	1SV15EC016	Harini	Harini	Harini	Harini	Harini	Harini	Harini	Harini	Harini	Harini	Harini	Harini
12	S KAVITHA	1SV15EC017	S Kavitha	S Kavitha	S Kavitha	S Kavitha	S Kavitha	S Kavitha	S Kavitha	S Kavitha	S Kavitha	S Kavitha	S Kavitha	S Kavitha
13	MAMATHA M S	1SV15EC020	Mamatha	Mamatha	Mamatha	Mamatha	Mamatha	Mamatha	Mamatha	Mamatha	Mamatha	Mamatha	Mamatha	Mamatha
14	NITHYA SHREE B T	1SV15EC026	Nithya	Nithya	Nithya	Nithya	Nithya	Nithya	Nithya	Nithya	Nithya	Nithya	Nithya	Nithya
15	PADMA M A	1SV15EC028	Padma	Padma	Padma	Padma	Padma	Padma	Padma	Padma	Padma	Padma	Padma	Padma
16	POOJA K S	1SV15EC030	Pooja	Pooja	Pooja	Pooja	Pooja	Pooja	Pooja	Pooja	Pooja	Pooja	Pooja	Pooja
17	PRABIN KARKI	1SV15EC031	Prabin	Prabin	Prabin	Prabin	Prabin	Prabin	Prabin	Prabin	Prabin	Prabin	Prabin	Prabin
18	PRASHANT CHOUDRI	1SV15EC032	Prashant	Prashant	Prashant	Prashant	Prashant	Prashant	Prashant	Prashant	Prashant	Prashant	Prashant	Prashant
19	PREETHI BAI B L	1SV15EC033	Preethi	Preethi	Preethi	Preethi	Preethi	Preethi	Preethi	Preethi	Preethi	Preethi	Preethi	Preethi
20	PRIYANKA K	1SV15EC034	Priyanka	Priyanka	Priyanka	Priyanka	Priyanka	Priyanka	Priyanka	Priyanka	Priyanka	Priyanka	Priyanka	Priyanka
21	RAKSHA M V	1SV15EC036	Raksha	Raksha	Raksha	Raksha	Raksha	Raksha	Raksha	Raksha	Raksha	Raksha	Raksha	Raksha
22	RAMYA M G	1SV15EC038	Ramya	Ramya	Ramya	Ramya	Ramya	Ramya	Ramya	Ramya	Ramya	Ramya	Ramya	Ramya
23	RANJITHA B M	1SV15EC039	Ranjitha	Ranjitha	Ranjitha	Ranjitha	Ranjitha	Ranjitha	Ranjitha	Ranjitha	Ranjitha	Ranjitha	Ranjitha	Ranjitha
24	ROHITH P	1SV15EC040	Rohith	Rohith	Rohith	Rohith	Rohith	Rohith	Rohith	Rohith	Rohith	Rohith	Rohith	Rohith
25	SAVITA HOSALLI	1SV15EC041	Savita	Savita	Savita	Savita	Savita	Savita	Savita	Savita	Savita	Savita	Savita	Savita

Sl No	Name of the Student	USN	Date:29/9		Date:30/9	
			M	A	M	A
			(9AMto PM1)	(2PMto 5PM)	(9AMto PM1)	(2PMto 5PM)
1	LAHARI N RAJ	1SV14EC015	Luv	Luv	vel	vel
2	ABHISHEK G SHEELVANT	1SV15EC001	A	A	A	A
3	AISHWARYA S M	1SV15EC002	Auv	Auv	Auv	Auv
4	AKSHATA BIRADAR	1SV15EC003	Ahuv	Ahuv	Ahuv	Ahuv
5	AMEENA ROUSHNIE	1SV15EC004	Auv	Auv	Auv	Auv
6	CL BALAJI	1SV15EC009	Chuv	Chuv	Chuv	Chuv
7	CHAITHRA M	1SV15EC010	Chuv	Chuv	Chuv	Chuv
8	D CHANDANA	1SV15EC011	Dchuv	Dchuv	Dchuv	Dchuv
9	DEEPIKA H P	1SV15EC012	Deuv	Deuv	Deuv	Deuv
10	GEETA RAMESHAPPA HANCHI	1SV15EC014	Geuv	Geuv	Geuv	Geuv
11	HARINI D C	1SV15EC016	Huv	Huv	Huv	Huv
12	S KAVITHA	1SV15EC017	Kuv	Kuv	Kuv	Kuv
13	MAMATHA M S	1SV15EC020	Muv	Muv	Muv	Muv
14	NITHYA SHREE B T	1SV15EC026	Nuv	Nuv	Nuv	Nuv
15	PADMA M A	1SV15EC028	Puv	Puv	Puv	Puv
16	POOJA K S	1SV15EC030	Puv	Puv	Puv	Puv
17	PRABIN KARKI	1SV15EC031	Puv	Puv	Puv	Puv
18	PRASHANT CHOUDRI	1SV15EC032	Puv	Puv	Puv	Puv
19	PREETHI BAI B L	1SV15EC033	Puv	Puv	Puv	Puv
20	PRIYANKA K	1SV15EC034	Puv	Puv	Puv	Puv
21	RAKSHA M V	1SV15EC036	Puv	Puv	Puv	Puv
22	RAMYA M G	1SV15EC038	Puv	Puv	Puv	Puv
23	RANJITHA B M	1SV15EC039	Puv	Puv	Puv	Puv
24	ROHITH P	1SV15EC040	Puv	Puv	Puv	Puv
25	SAVITA HOSALLI	1SV15EC041	Puv	Puv	Puv	Puv

Course instructor

Principal

PRINCIPAL
SIET, TUMAKURU.

Technical program head



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PARTICIPATION CERTIFICATE

This Certifies that
S. Kavitha bearing USN - 15V15EC014 of 7th Sem of
Department of ECE, SIET, Tumkur.
has completed one weeks training program on
ANTENNA DESIGN

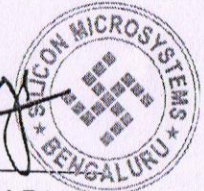
at our company from Date 08/09/2018 to Date 30/09/2018

We found him / her sincere, hardworking, dedicated and result oriented.
He / She worked well as a part of the team & as an Individual during his / her tenure.
We take this opportunity to thank him / her and wish him / her all the best for the future.

Nandini Srinivasan
PRINCIPAL
SIET., TUMAKURU.


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M.S. Jayachandra Aradhya
M.S. JAYACHANDRA ARADHYA
DIRECTOR
SILICON MICROSYSTEMS
BENGALURU





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ANTENNA DESIGN

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Nandini Ramappa

PRINCIPAL
SIET, TUMAKURU.


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M.S. Jayachandra Aradhya

M.S.JAYACHANDRA ARADHYA
DIRECTOR
SILICON MICROSYSTEMS
BENGALURU



ACADEMIC YEAR 2019-2020

The following is the list of students undergone the value added course on "ASIC BASED VLSI DESIGN" for a duration of two weeks from 21st March 2020 to 5th April 2020.

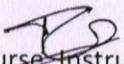
Academic year 2019-2020 (8th sem)

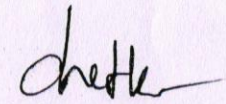
Sl No	Name of the Student	USN	Date:21/9		Date:23/9		Date:24/9		Date:30/9		Date:31/9		Date:4/9	
			M (9AMto 5PM)	A (2PMto 5PM)	M (9AMto 5PM)	A (2PMto 5PM)	M (9AMto 5PM)	A (2PMto 5PM)	M (9AMto 5PM)	A (2PMto 5PM)	M (9AMto 5PM)	A (2PMto 5PM)	M (9AMto 5PM)	A (2PMto 5PM)
1	RAMYA K	1SV14EC026	RK	RK	RK	RK	RK	RK	RK	RK	RK	RK	RK	RK
2	RASHMIN BEGAM H	1SV14EC029	Rashmi	Rashmi	Rashmi	Rashmi	Rashmi	Rashmi	Rashmi	Rashmi	Rashmi	Rashmi	Rashmi	Rashmi
3	ARUN C G	1SV15EC005	Acg	Acg	Acg	Acg	Acg	Acg	Acg	Acg	Acg	Acg	Acg	Acg
4	BHAVANA N	1SV15EC007	Bn	Bn	Bn	Bn	Bn	Bn	Bn	Bn	Bn	Bn	Bn	Bn
5	GAGANA S K	1SV15EC013	gsk	gsk	gsk	gsk	gsk	gsk	gsk	gsk	gsk	gsk	gsk	gsk
6	KAVYA S	1SV15EC018	ks	ks	ks	ks	ks	ks	ks	ks	ks	ks	ks	ks
7	NOOR AYESHA	1SV15EC027	NOOK	NOOK	NOOK	NOOK	NOOK	NOOK	NOOK	NOOK	NOOK	NOOK	NOOK	NOOK
8	RAGHURAJ G K	1SV15EC035	rgk	rgk	rgk	rgk	rgk	rgk	rgk	rgk	rgk	rgk	rgk	rgk
9	USHA Y M	1SV15EC049	USHA	USHA	USHA	USHA	USHA	USHA	USHA	USHA	USHA	USHA	USHA	USHA
10	VISHWAS P	1SV15EC052	VSP	VSP	VSP	VSP	VSP	VSP	VSP	VSP	VSP	VSP	VSP	VSP
11	ANUSHA T P	1SV16EC402	ATP	ATP	ATP	ATP	ATP	ATP	ATP	ATP	ATP	ATP	ATP	ATP

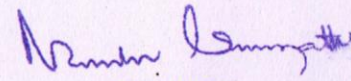
Nandini Srinivasan

PRINCIPAL
SIET., TUMAKURU.

Sl No	Name of the Student	USN	Date:5/9	
			M (9AMto PM1)	A (2PMto 5PM)
1	RAMYA K	1SV14EC026	RK	RK
2	RASHMIN BEGAM H	1SV14EC029	Rashmi	Rashmi
3	ARUN C G	1SV15EC005	ACG	ACG
4	BHAVANA N	1SV15EC007	BN	BN
5	GAGANA S K	1SV15EC013	GSK	GSK
6	KAVYA S	1SV15EC018	KS	KS
7	NOOR AYESHA	1SV15EC027	Noor	Noor
8	RAGHURAJ G K	1SV15EC035	RKG	RKG
9	USHA Y M	1SV15EC049	USHA	USHA
10	VISHWAS S P	1SV15EC052	VSP	VSP
11	ANUSHA T P	1SV16EC402	ATP	ATP


Course Instructor


Technical program Head


PRINCIPAL
SIET., TUMAKURU



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PARTICIPATION CERTIFICATE

This Certifies that
Usha: Y.M bearing USN - ISV15EC049 of 8th Sem of
Department of ECE, SIET, Tumkur.
has completed two weeks training program on
ASIC based VLSI Design

at our company from Date 21/03/2020 to Date 05/04/2020.

We found him / her sincere, hardworking, dedicated and result oriented.

He / She worked well as a part of the team & as an individual during his / her tenure.

We take this opportunity to thank him / her, and wish him / her all the best for the future.

Nandini Srinivas

PRINCIPAL
SIET., TUMAKURU


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M.S. Jayachandra Aradhya

M.S. JAYACHANDRA ARADHYA
DIRECTOR
SILICON MICROSYSTEMS
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PARTICIPATION CERTIFICATE

This Certifies that
Arun.C.G bearing IDSN-15V15ECO05 of 8th Sem of
Department of ECE, SIET, Tumkur
has completed two weeks training program on
Asic based VLSI Design.

at our company from Date 21/03/2020 to Date 05/04/2020

We found him / her sincere, hardworking, dedicated and result oriented.

He / She worked well as a part of the team & as an individual during his / her tenure.

We take this opportunity to thank him / her and wish him / her all the best for the future.

Manjunath
PRINCIPAL
SIET., TUMAKURU.


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M.S. Jayachandra Aradhya
M.S.JAYACHANDRA ARADHYA
DIRECTOR
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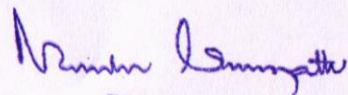
This Certifies that
Ramya - k bearing *15V14B0026* of *9th Sem* of
Department of ECE, SIET, Tumkur.
has completed two weeks training program on
ASIC based VLSI Design.

at our company from Date 21/03/2020 to Date 05/04/2020

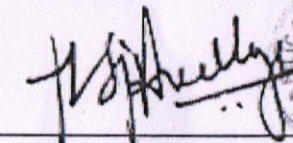
We found him / her sincere, hardworking, dedicated and result oriented.

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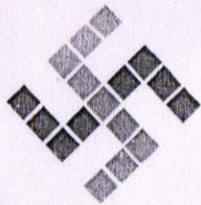
We take this opportunity to thank him / her and wish him / her all the best for the future.


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M.S. JAYACHANDRA ARADHYA
DIRECTOR
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BENGALURU





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PARTICIPATION CERTIFICATE

This Certifies that
*Raksha M.V bearing USN-15V15EC036 of 7th Sem of
Department of ECE, SIET, Tumkur.*
has completed one weeks training program on
ANTENNA DESIGN

at our company from Date 08/09/2018 to Date 30/09/2018

We found him / her sincere, hardworking, dedicated and result oriented.


He / She worked well as a part of the team & as an Individual during his / her tenure.

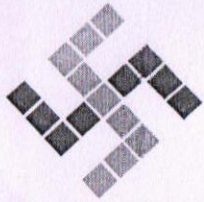
We take this opportunity to thank him / her and wish him / her all the best for the future.

N. Anand Kumar
PRINCIPAL
SIET, TUMAKURU.


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M.S. Jayachandra Aradhya
M.S.JAYACHANDRA ARADHYA
DIRECTOR
SILICON MICROSYSTEMS
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This Certifies that
S. Kavitha bearing USN - 15V15EC014 of 7th Sem of
Department of ECE, SIET, Tumkur.
has completed one weeks training program on
ANTENNA DESIGN

at our company from Date 08/09/2018 to Date 30/09/2018

We found him / her sincere, hardworking, dedicated and result oriented.

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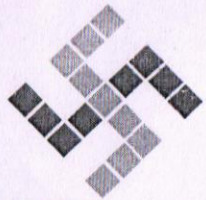
We take this opportunity to thank him / her and wish him / her all the best for the future.

Principals Signature
PRINCIPAL
SIET., TUMAKURU.


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M.S. Jayachandra Aradhya
M.S. JAYACHANDRA ARADHYA
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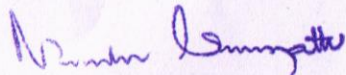
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PARTICIPATION CERTIFICATE

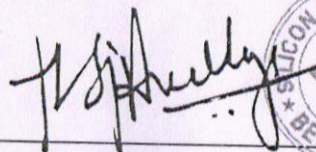
This Certifies that
D. Chandana bearing USN - *15V15EC011* of 7th sem of
Department of ECE, SIET, Tumkur.
has completed one weeks training program on
ANTENNA DESIGN

at our company from Date 08/09/2018 to Date 30/09/2018

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ANTENNA DESIGN

at our company from Date 09/09/2018 to Date 30/09/2018

We found him / her sincere, hardworking, dedicated and result oriented.
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Principals Signature

PRINCIPAL
SIET, TUMAKURU.


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M.S. Jayachandra Aradhya
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