

**Silicon
microsystems**
an ISO 9001:2008 certified company
www.simsindia.net

**MEMORANDUM OF UNDERSTANDING
BETWEEN**

**SHRIDEVI INSTITUTE OF ENGINEERING AND TECHNOLOGY
TUMAKURU**

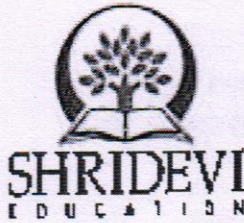
AND

**SILICON MICROSYSTEMS
BENGALURU**

**PRINCIPAL
SHRIDEVI INSTITUTE OF
ENGINEERING & TECHNOLOGY
TUMKUR - 572106.**

Nandini Srinivas

**PRINCIPAL
SIET., TUMAKURU.**



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-

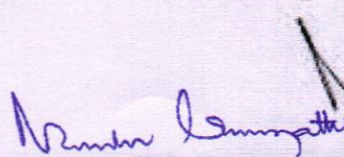
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Graduate Programmes, 4 Post Graduate Programmes and 4 Ph.D. Research Programmes – covering 'Engineering & Technology', and 'Management' streams.

- 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.



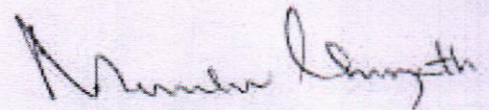
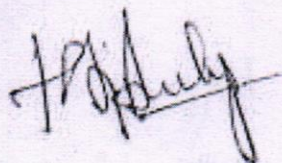
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SIET, TUMAKURU

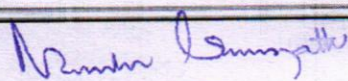
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SHRIDEVI INSTITUTE OF
ENGINEERING & TECHNOLOGY
TUMKUR - 572106.

- 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.

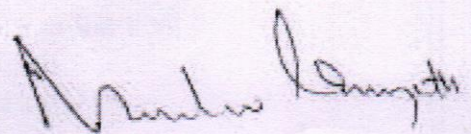
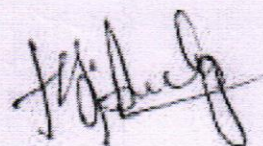
3. Industrial Training and Visits :

- 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.



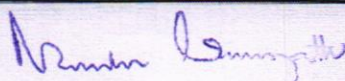
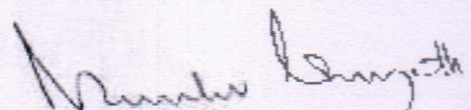
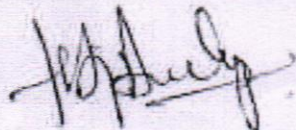

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- There is no financial commitment on the part of the SIET, the first party to take up any program mention in MoU. If there is any financial consideration, it will be dealt separately.
 - Both Parties to obtain all internal approvals, consents, permissions,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

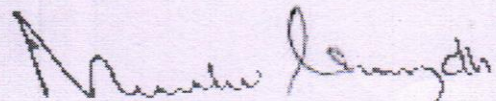
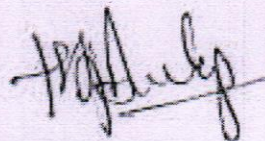
- All intellectual property created by a party in connection with the Collaboration shall remain the property of that party. The Parties agree that any material jointly created by the Parties for the collaboration shall be jointly owned (in equal proportions) by the parties, unless otherwise agreed in 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).



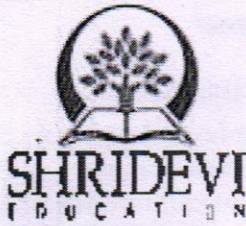
- The Confidential Information is disclosed, in the case of SIMS, to another member of the SIMS group of companies.
- All disputes and differences of any kind whatever arising out of or in connection with this MoU shall be referred to the arbitration, and the final decision of an arbitrator jointly appointed 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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ENGINEERING & TECHNOLOGY
TUMKUR - 572106.



**Silicon
microsystems**
an ISO 9001:2008 certified company
www.simsindia.net

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., TUMAKURU

21-22



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>

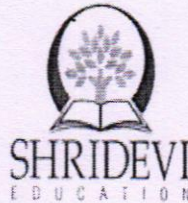


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SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY

SIRA ROAD, TUKAKURU

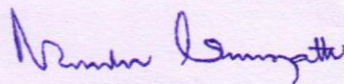
DEPARTMENT OF ELECTRONICS & COMMUNICATION
ENGINEERING.



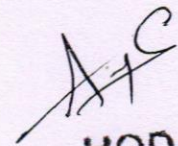
A REPORT ON

“SIET ELECTRONICS & COMMUNICATION CERIFICATION
COURSE”

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 29thOctober 2022 to 20th November 2022.

Academic year 2022-23 (7thsem)

| SI No | Name of the Student | USN | Student signature |
|-------|---------------------|------------|----------------------|
| 1. | AKASH DODAMANI | 1SV19EC001 | <i>Akash</i> |
| 2. | AKHILESH YADAV | 1SV19EC002 | <i>Akhilesh</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>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>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> |

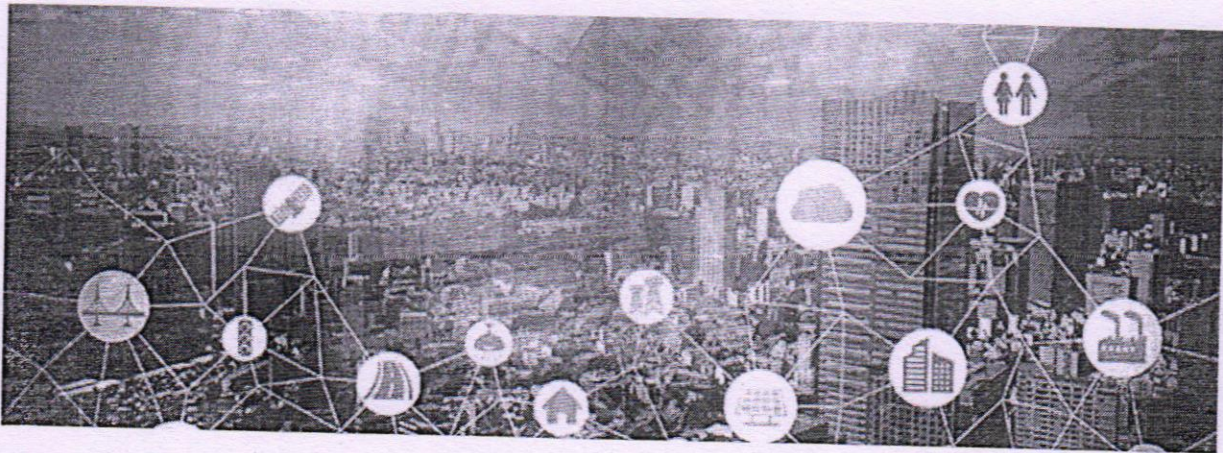
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Coordinator

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PRINCIPAL
SIET., TUMAKURU.

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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++

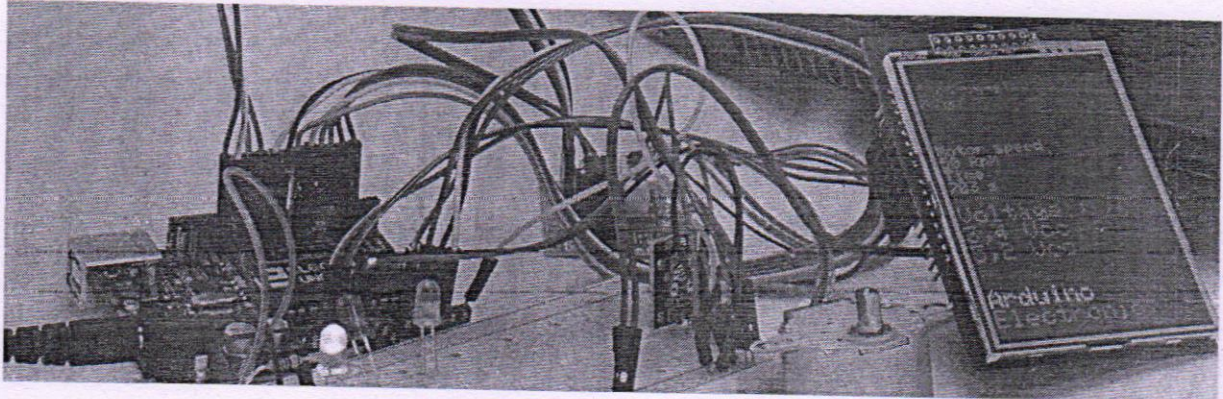
Principals Signature

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Dept of E&C
SIET, Tumkur-6

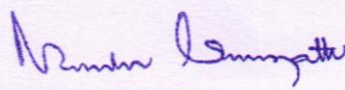
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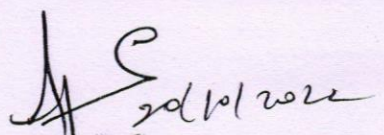
execute software that interprets inputs and controls the system. This module discusses the roles of both the hardware and software components in the system. The functions of common hardware components are described and the interface between the software and hardware through the microcontroller is explained. 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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20/10/2022
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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.

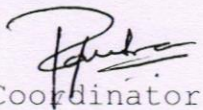
With reference to the subject cited above, I would like to bring to your kind notice that, the Department is planned to organize Student Training Program on "IOT and EMBEDDED SYSTEMS" from "29th October 2022 to 20 November 2022" for 7th semester Electronics & communication engineering students.

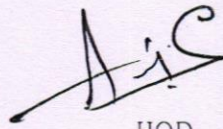
Kindly consider the above request and approve the same for further proceedings.

Thanking you

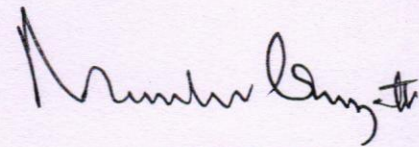
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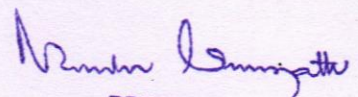
Place: SIET, Tumakuru.


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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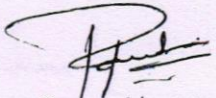


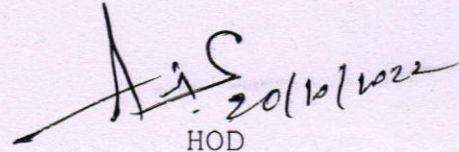
DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Date: 20/10/2022

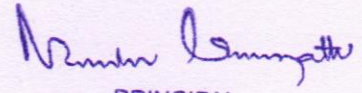
Circular

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.


Coordinator


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Dept. of ECE
SIET, TUMAKURU

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SIET, Tumkur-6


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ACADEMIC YEAR 2022-2023

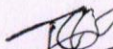
The following is the list of students undergone the value added course on "IOT and EMBEDDED SYSTEMS" for a duration of one weeks from 29th October 2022 to 20th November 2022

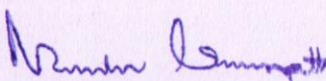
ACADEMIC YEAR 2022-2023 (7th Sem)

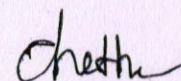
| Sl No | Name of the Student | USN | Date:29/9 | | Date:30/9 | | Date:5/9 | | Date:6/9 | | Date:12/9 | | Date:13/9 | |
|-------|------------------------|------------|---------------|----------------|---------------|----------------|---------------|----------------|---------------|----------------|---------------|----------------|---------------|----------------|
| | | | 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 |

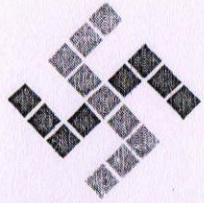
Nandini Srinivas
PRINCIPAL
SIET, TUMAKURU.

| 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


PRINCIPAL
SIET., TUMAKURU


Technical program Head



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www.simsindia.net

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.

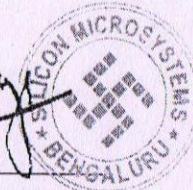
He / She worked well as a part of the team & as an Individual during his / her tenure.

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

Nandini Srinivas
PRINCIPAL
SIET., TUMAKURU


XIMAX
SKILL UNIVERSITY
www.ximax.in

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





**Silicon
microsystems**

an ISO 9001:2008 certified company

www.simsindia.net

PARTICIPATION CERTIFICATE

This Certifies that
Gaganav bearing USN - 15V19EC011 of #thsem of
Department of ECE, SIET, Tumkur.
has completed one weeks training program on
IOT and EMBEDDED SYSTEM

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.

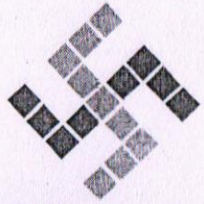
We take this opportunity to thank him / her and wish him / her all the best for the future.

Nandini Srinivas
PRINCIPAL
SIET, TUMAKURU.


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
Divya pot bearing USN - ISV19EC010 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.

Manjunath

PRINCIPAL
SIET, TUMAKURU.

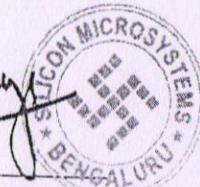


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M.S. Jayachandra Aradhya

M.S. JAYACHANDRA ARADHYA
DIRECTOR
SILICON MICROSYSTEMS
BENGALURU





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, 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

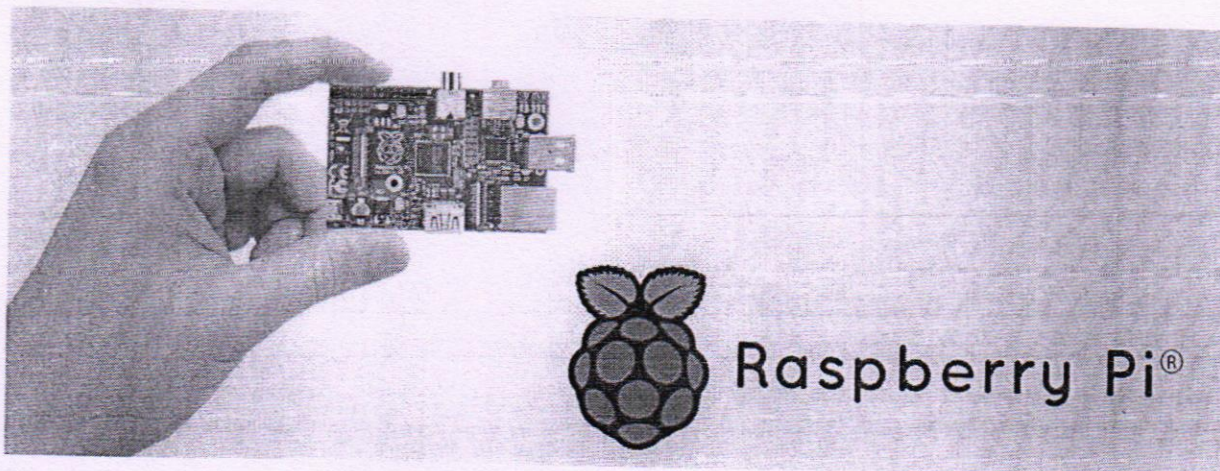
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PRINCIPAL
SIET., TUMAKURU

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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

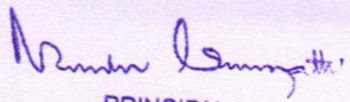
Module 3

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
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SIET, Tumkur-5


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Sira Road, Tumakuru - 572 106. Karnataka.



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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.

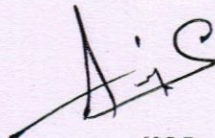
Kindly consider the above request and approve the same for further proceedings.

Thanking you

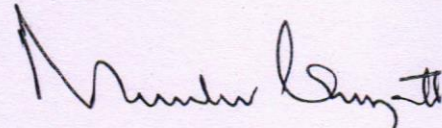
Date: 01/02/2023

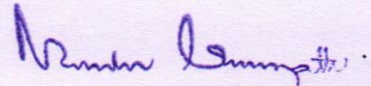
Place: SIET, Tumakuru.


Coordinator


HOD
Dept. of ECE
SIET, TUMAKURU

HOD
Dept of E&C
SIET, Tumkur-6


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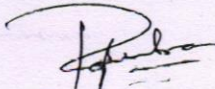
Phone: 0816-2212629 | Fax: 0816-2212628 | Email: info@shrideviengineering.org | Web: http://www.shrideviengineering.org

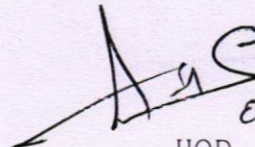
DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Date: 01/02/2023

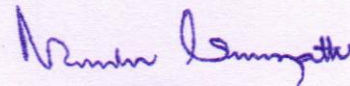
Circular

~~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



PRINCIPAL
SIET, TUMAKURU

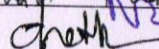
Academic year 2022-23

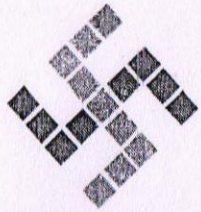
The following is the list of students undergone the value added course on "RASPBERRY Pi PLATFORM & PYTHON PROGRAMMING" for a duration of one weeks 6th February 2023 to 11th February 2023.

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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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.

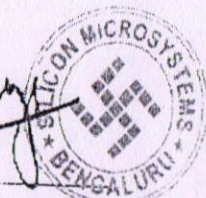
He / She worked well as a part of the team & as an Individual during his / her tenure.

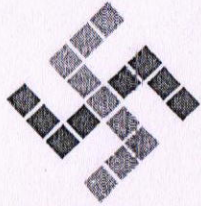
We take this opportunity to thank him / her and wish him / her all the best for the future.

Nimish Kumar
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.


XIMAX
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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.

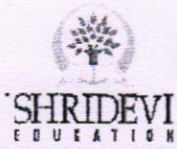
We take this opportunity to thank him / her and wish him / her all the best for the future.

Bindu Srinivas
PRINCIPAL
SIET, TUMAKURU.


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





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.

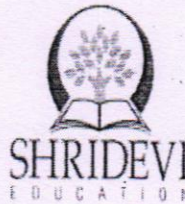


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SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY

SIRA ROAD, TUKAKURU

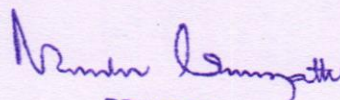
DEPARTMENT OF ELECTRONICS & COMMUNICATION
ENGINEERING

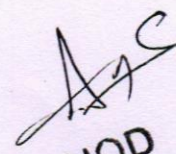


A REPORT ON

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

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.

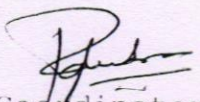
With reference to the subject cited above, I would like to bring to your kind notice that, the Department is planned to organize Student Training Program on "THE ARDUINO PLATFORM and C PROGRAMMING" from "6th November 2021 to 26th December 2021" for 5th semester Electronics & communication engineering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

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

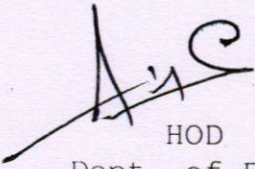
Thanking you

Date: 29/10/2021

Place: SIET, Tumakuru.

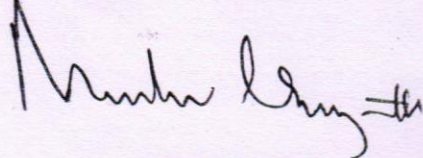


Coordinator

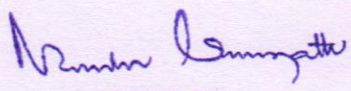


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SIET, TUMAKURU

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Dept of E&C
SIET, Tumkur-6



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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

PRINCIPAL
SIET, TUMAKURU.

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.

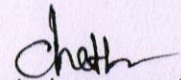
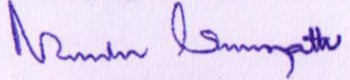
ACADEMIC YEAR 2021-2022 (5th sem)

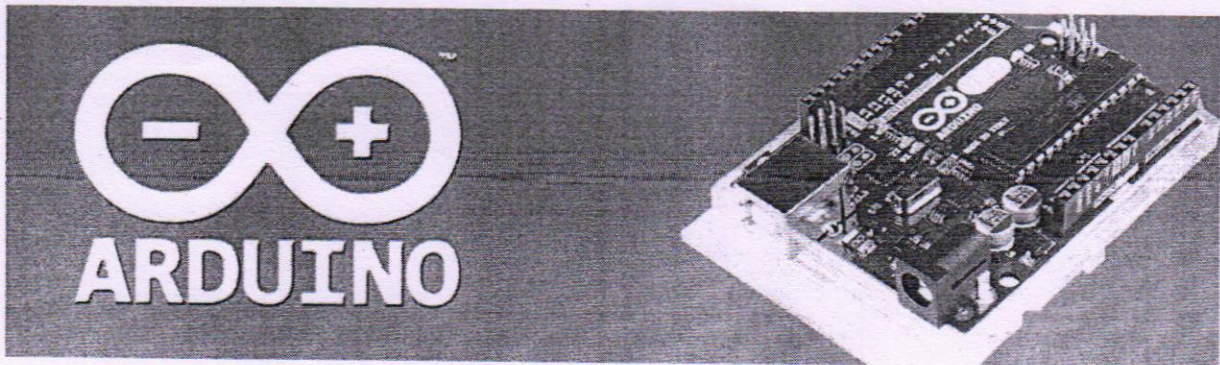
| Sl No | Name of the Student | USN | Date:6/9 | | Date:7/9 | | Date:13/9 | | Date:14/9 | | Date:20/9 | | Date:21/9 | |
|-------|------------------------|------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| | | | 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 | G | G | G | G | G | G | G | G | G | G | G | G |
| 33 | LAVANYA K R | 1SV20EC402 | L | L | L | L | L | L | L | L | L | L | L | L |

PRINCIPAL
SIET., TUMAKURU.

| 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

PRINCIPAL
SIET., TUMAKURU.



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:

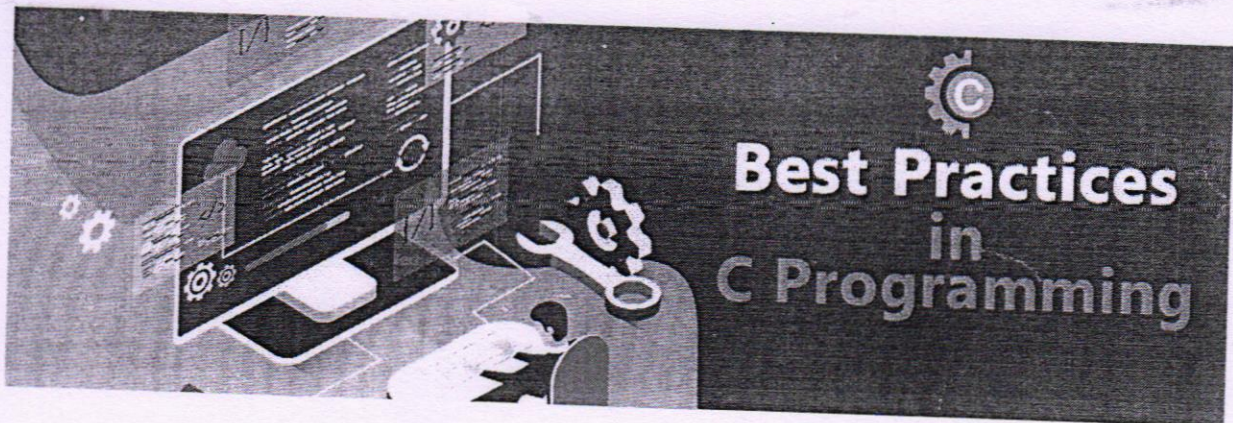
1. Outline the composition of the Arduino development board
2. Describe what it means to program the board's firmware
3. Read board schematics
4. Install Arduino IDE
5. Describe what "shields" are and how they are used
6. Specify the role of libraries in the use of shields
7. Compile and run a program
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



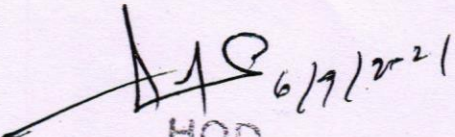
This module covers the basics of the C programming language which will be used to write code for the Arduino. The course first covers basic syntax, variables, and types. Most of the basic C operators are presented. Conditional statements (if, switch) and loops (while, for) are described. The concept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

Arduino Programs

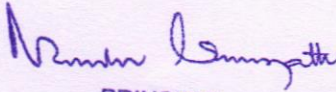
This module describes the composition of an Arduino program, or sketch, and the process by which it is compiled and uploaded. The Arduino IDE is a user interface for the software tools which actually compile and upload the program. We outline the use of these tools in the build process. We describe the 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.

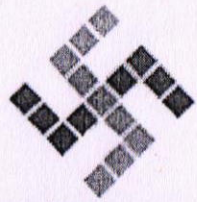
Module 4

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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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.

Nandini Srinivas

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M. S. Jayachandra Aradhya

M.S.JAYACHANDRA ARADHYA
DIRECTOR
SILICON MICROSYSTEMS
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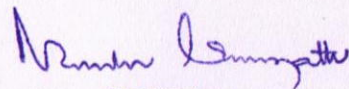
This Certifies that
Akhilash yadav bearing *USN-15VI9EC002* of 5th Sem of
Department of ECE, SIET, Tumkur.
has completed two weeks training program on
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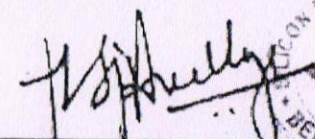
We found him / her sincere, hardworking, dedicated and result oriented.


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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
SILICON MICROSYSTEMS
BENGALURU





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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.

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Nandhu Srinivasan
PRINCIPAL
SIET., TUMAKURU.


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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: 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 | Bhoomika |
| 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

PRINCIPAL
SIET., TUMAKURU

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.

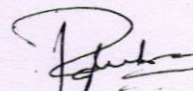
With reference to the subject cited above, I would like to bring to your kind notice that, the Department is planned to organize Student Training Program on "INTERFACING WITH ARDUINO" from "19th March 2022 to 8th May 2022" for 6th semester Electronics & communication engineering students.

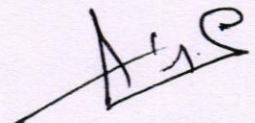
Kindly consider the above request and approve the same for further proceedings.

Thanking you

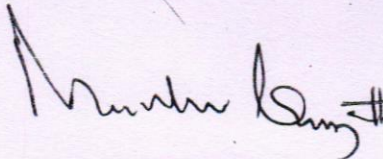
Date: 10/03/2022

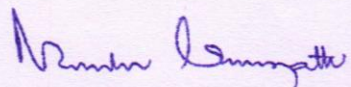
Place: SIET, Tumakuru.


Coordinator


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

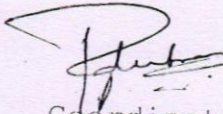


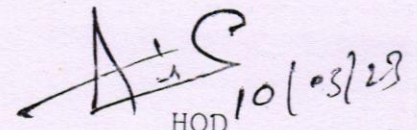
DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Date: 10/03/2022

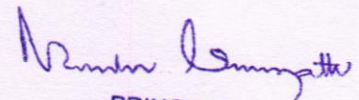
Circular

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

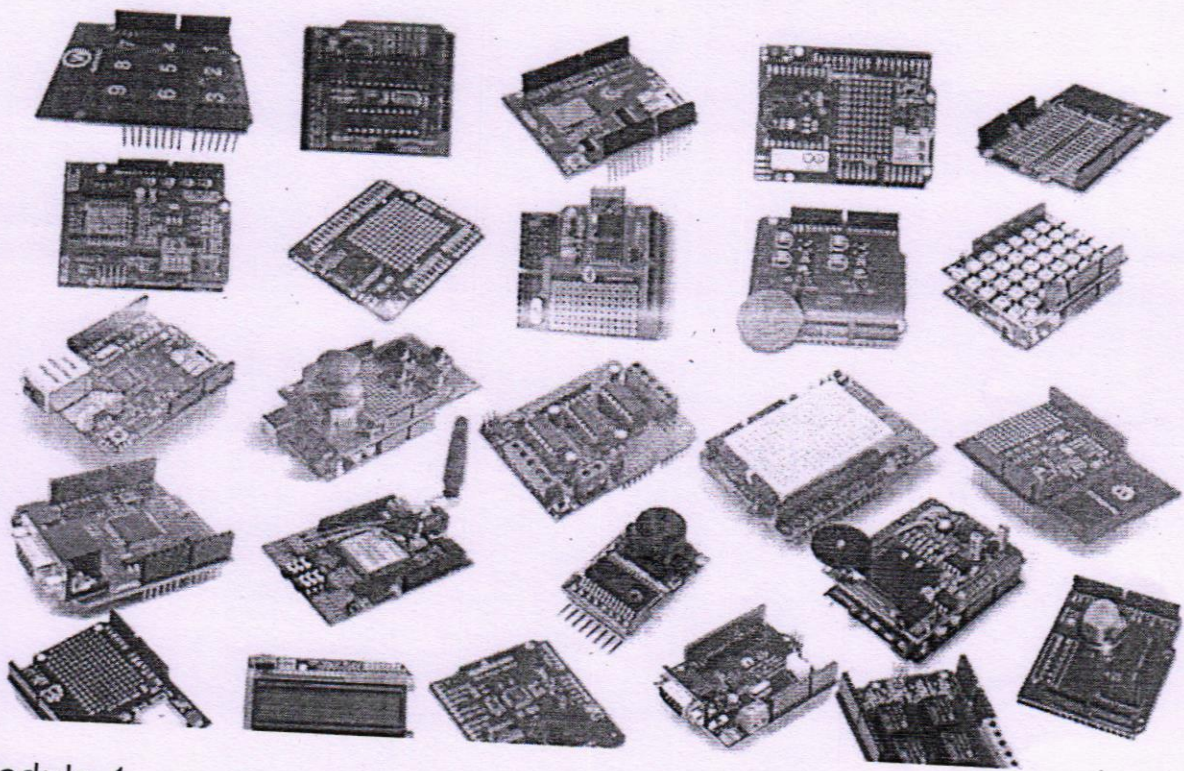

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Interfacing with the Arduino

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.

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

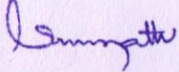
A.S.
10/3/2022
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SIET, Tumkur-6

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 |


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| 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 |
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| 31 | BINDU T S | 1SV20EC400 | PS | PS |
| 32 | GANASHREE K R | 1SV20EC401 | PS | PS |
| 33 | LAVANYA K R | 1SV20EC402 | PS | PS |

JCS
Course Instructor

Principals
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.


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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
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

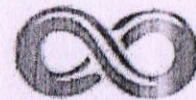
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Principals Signature

PRINCIPAL
SIET, TUMAKURU.

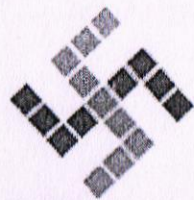


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M.S. Jayachandra Aradhya

M.S. JAYACHANDRA ARADHYA
DIRECTOR
SILICON MICROSYSTEMS
BENGALURU



**Silicon
microsystems**

an ISO 9001:2008 certified company

www.simsindia.net

PARTICIPATION CERTIFICATE

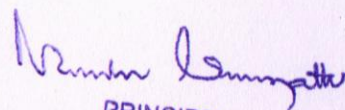
This Certifies that
K. Sanjay bearing USN-ISVIAECO15 of 6th sem of
Department of ECE, SIET, Tumkur
has completed two weeks training program on
INTERFACING WITH ARDUINO

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

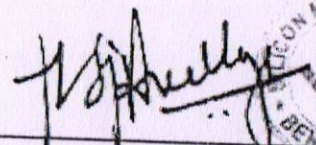
We found him / her sincere, hardworking, dedicated and result oriented.

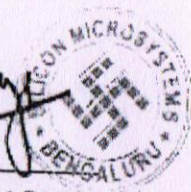
He / She worked well as a part of the team & as an Individual during his / her tenure.

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


PRINCIPAL
SIET., TUMAKURU.


XIMAX
SKILL UNIVERSITY
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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**

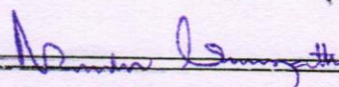
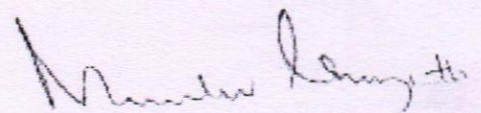
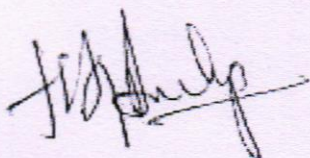
Wenker Srinivasan
PRINCIPAL
SIET., TUMAKURU

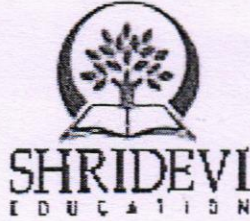
Graduate Programmes, 4 Post Graduate Programmes and 4 Ph.D. Research Programmes – covering 'Engineering & Technology', and 'Management' streams.

- 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

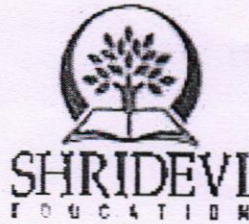
MUTUAL SUPPORT AND COOPERATION:

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.

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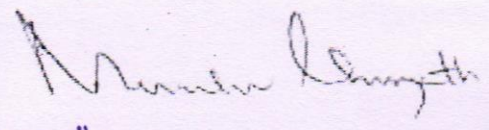
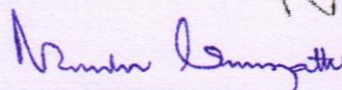
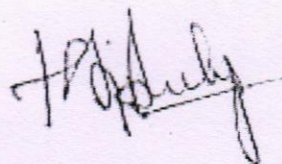
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- This Memorandum of Understanding ("MoU") is not intended to be legally binding except as specifically set out below.
- The SIET shall provide the necessary support to the SIMS to deliver the training on the agreed subject's / Programs.

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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:

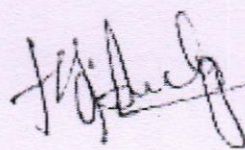
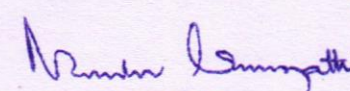
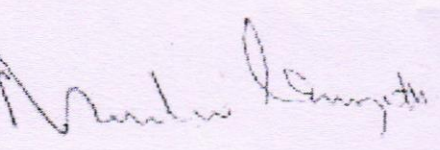
- SIMS to train the students of SIET on the emerging technologies in order to bridge the skill gap and make them industry ready.

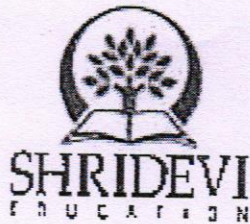
7. Guest Lectures:

- 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:

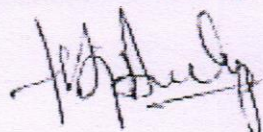
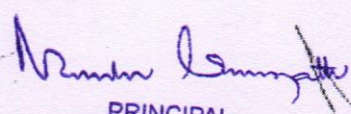
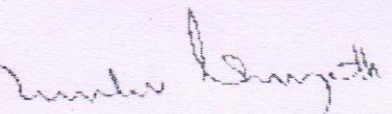
- SIMS to train the Faculty members of SIET for imparting industrial exposure/ training as per the industrial requirement considering the National Occupational Standards in concerned sector, if available.



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).

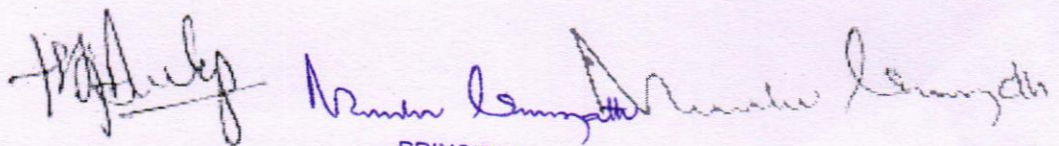
  

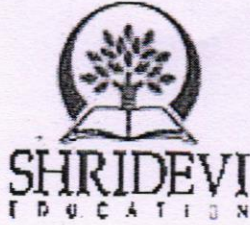
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- The Confidential Information is disclosed, in the case of SIMS, to another member of the SIMS group of companies.
- All disputes and differences of any kind whatever arising out of or in connection with this MoU shall be referred to the arbitration, 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:

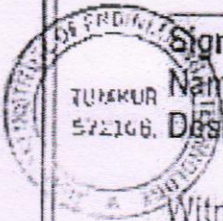
For on behalf of
Silicon microsystems [SIMS],
Bengaluru

Signature/ Seal

Name: Mr. Jayachandra Aradhya

Designation: CEO

Witness:

PRINCIPAL



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

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

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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 (5thsem)

| 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



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, Belagavi)

ESTD: 2002



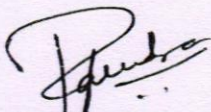
Curriculum for Industrial Automation Course

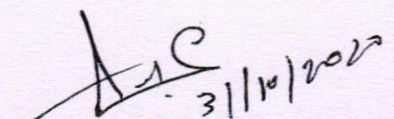
- Introduction, History & Need of Automation.
 - Factory & process automation.
 - Introduction to components of automation and PLC.
 - Input devices like Proximity sensors, Limit switches, Push button and lamps.
 - Ultra sonic sensors, Optical sensors, Encoder.
-
- Diffusion beam sensors, through beam 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

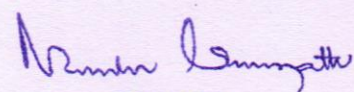
Min 80% of attendance

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.

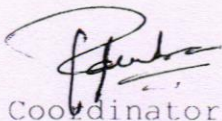
With reference to the subject cited above, I would like to bring to your kind notice that, the Department is planned to organize Student Training Program on "INDUSTRIAL AUTOMATION" from "31st October 2020 to 22nd November 2020" for 5th semester Electronics & communication engineering students.

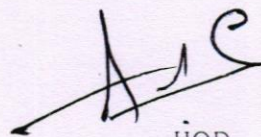
Kindly consider the above request and approve the same for further proceedings.

Thanking you

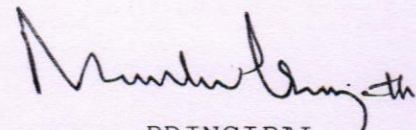
Date: 25/10/2020

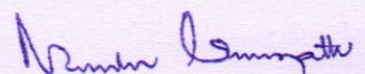
Place: SIET, Tumakuru.


Coordinator


HOD
Dept. of ECE
SIET, TUMAKURU

HOD
Dept of E&C
SIET, Tumkur-6


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SIET, TUMAKURU


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SIET, TUMAKURU



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

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

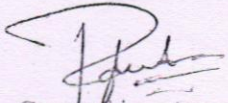


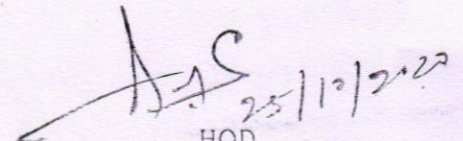
DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Date: 25/10/2020

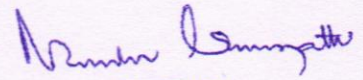
Circular

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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SIET, TUMAKURU

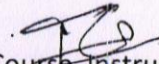
ACADEMIC YEAR 2020-2021

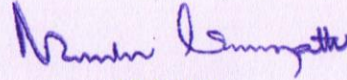
The following is the list of students undergone the value added course on "INDUSTRIAL AUTOMATION" for a duration of one weeks from 31st October 2020 to 22nd November 2020.

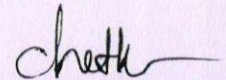
Academic year 2020-21 (5th sem)

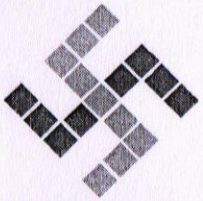
| Sl No | Name of the Student | USN | Date:31/9 | | Date:1/9 | | Date:7/9 | | Date:8/9 | | Date:14/9 | | Date:15/9 | |
|-------|---------------------|------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| | | | 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 | KETANRAJS | 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 | So | So | So | So |
| 21 | YASHASWINI K Y | 1SV18EC024 | Ya | Ya | Ya | Ya |
| 22 | ARUNA R N | 1SV19EC400 | Ar | Ar | Ar | Ar |
| 23 | JYOTHI R | 1SV19EC401 | Jo | Jo | Jo | Jo |
| 24 | MAHADEVIAIAH 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


PRINCIPAL
SIET., TUMAKURU.


Technical program Head



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PARTICIPATION CERTIFICATE

This Certifies that

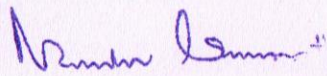
Chandana.D bearing USN - *15V18EC007* of *5th Sem* of
Department of ECE, SIET, Tumkur.
has completed one weeks training program on
INDUSTRIAL AUTOMATION

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.



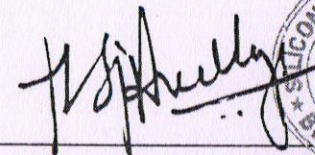
Principal

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M.S.JAYACHANDRA ARADHYA
DIRECTOR
SILICON MICROSYSTEMS
BENGALURU



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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.

Nanda Lakshmi

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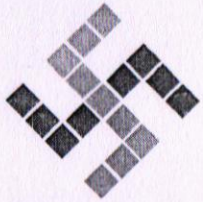
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M.S. Jayachandra Aradhya

M.S.JAYACHANDRA ARADHYA
DIRECTOR
SILICON MICROSYSTEMS
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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

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SIET, TUMAKURU.



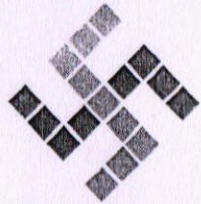
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M.S. Jayachandra Aradhya

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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.

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Principals Signature

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M.S. Jayachandra Aradhya

M.S.JAYACHANDRA ARADHYA
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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

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

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M.S. Jayachandra Aradhya

M.S. JAYACHANDRA ARADHYA
DIRECTOR
SILICON MICROSYSTEMS
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SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY

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

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

SHRIDEVI
EDUCATION

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

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ESTD: 2002



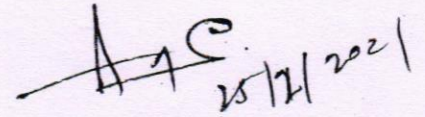
Assessment: Students should obtain

Min 80% of attendance

Min 80% Participation in practice session

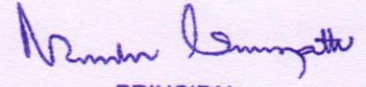


Coordinator



HOD

HOD
Dept of E&C
SIET, Tumkur-6



PRINCIPAL
SIET., TUMAKURU.



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, Belagavi)

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

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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

Nandhu Srinivasan
PRINCIPAL
SIET., TUMAKURU

25/07/2021
AAC
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 |

Principal 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

Nandini Srinivas
PRINCIPAL
SIET., TUMAKURU

Chethu
Technical program Head



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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
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M.S. Jayachandra Aradhya
M.S.JAYACHANDRA ARADHYA
DIRECTOR
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at our company from Date 27/02/2021 to Date 18/04/2021

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.

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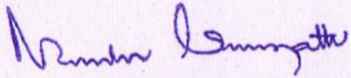
This Certifies that
Devika S bearing USN-15V18EC008 of 6th Sem of
Department of ECE, SIET, Tumkur
has completed two weeks training program on
ROBOTICS

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

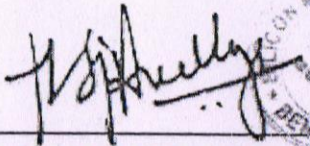
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DIRECTOR
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Sira Road, Tumakuru - 572 106. Karnataka.

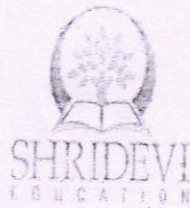
Phone: 0816-2212629 | Fax: 0816-2212628 | Email: info@shrideviengineering.org | Web: <http://www.shrideviengineering.org>



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SIRA ROAD, TUKAKURU


DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

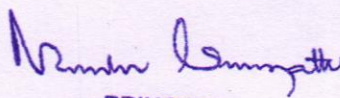


A REPORT ON

“SIET ELECTRONICS & COMMUNICATION CERIFICATION COURSE”

2019-20


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



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Extra Set.

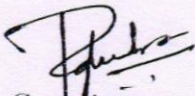


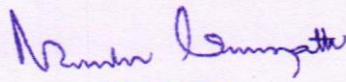
ACADEMIC YEAR 2019-2020

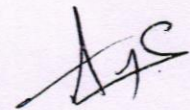
The following is the list of students undergone the value added course on "FPGA BASED VLSI DESIGN" for a duration of one weeks from 28th September 2019 to 20th October 2019.

Academic year 2019-2020 (7th sem)

| SI No | Name of The Student | USN | Student signature |
|-------|---------------------|------------|-------------------|
| 1 | RAMYA K | 1SV14EC026 | Ramyk |
| 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 | Kavyk |
| 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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HOD
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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Principal
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- Programmable Interconnects
- Architectural Resources
- Power Distribution and Configuration

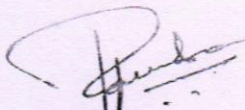
Assignments

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

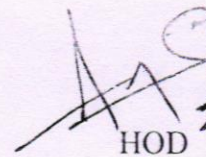
Assessment: Students should obtain

Min 80% of attendance

Min 80% Participation in practice session

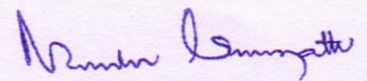


Coordinator



HOD 28/9/2019

HOD
Dept of EEC
SIET, Tumkur



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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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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

HOD

Dept. of ECE
SIET, TUMAKURU

HOD

Dept of E&C
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.

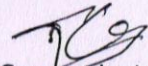
Academic year 2019-2020 (7th sem)

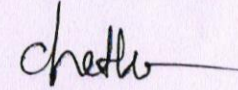
| Sl No | Name of the Student | USN | Date:28/9 | | Date:29/9 | | Date:5/9 | | Date:6/9 | | Date:12/9 | | Date:13/9 | |
|-------|---------------------|------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| | | | 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 | Pa | Pa | Pa | Pa | Pa | Pa | Pa | Pa | Pa | Pa | Pa | Pa |
| 6 | KAVYA S | 1SV15EC018 | Pa | Pa | Pa | Pa | Pa | Pa | Pa | Pa | Pa | Pa | Pa | Pa |
| 7 | NOOR AYESHA | 1SV15EC027 | Pa | Pa | Pa | Pa | Pa | Pa | Pa | Pa | Pa | Pa | Pa | Pa |
| 8 | RAGHURAJ G K | 1SV15EC035 | Paqy | Paqy | Paqy | Paqy | Paqy | Paqy | Paqy | Paqy | Paqy | Paqy | Paqy | Paqy |
| 9 | USHA Y M | 1SV15EC049 | usha | usha | usha | usha | usha | usha | usha | usha | usha | usha | usha | usha |
| 10 | VISHWAS S P | 1SV15EC052 | vishu | vishu | vishu | vishu | vishu | vishu | vishu | vishu | vishu | vishu | vishu | vishu |
| 11 | ANUSHA T P | 1SV16EC402 | Anu | Anu | Anu | Anu | Anu | Anu | Anu | Anu | Anu | Anu | Anu | Anu |

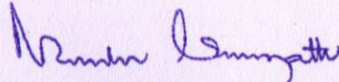
Principals Signature

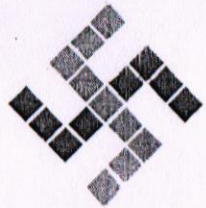
PRINCIPAL
SIET, TUMAKURU.

| 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 | Gagan | Gagan | Gagan | Gagan |
| 6 | KAVYA S | 1SV15EC018 | Kavya | Kavya | Kavya | Kavya |
| 7 | NOOR AYESHA | 1SV15EC027 | Noor | Noor | Noor | Noor |
| 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


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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 Kumar

PRINCIPAL
SIET., TUMAKURU.



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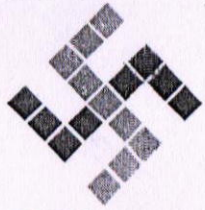
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M.S. Jayachandra Aradhya



M.S.JAYACHANDRA ARADHYA
DIRECTOR
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PARTICIPATION CERTIFICATE

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Vishwas S.P bearing USN-ISVISEC052 of 7th sem of
Department of ECE, SIET, Tumkur.

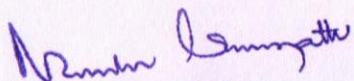
has completed one weeks training program on
FPGA BASED VLSI DESIGN

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

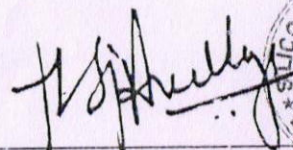
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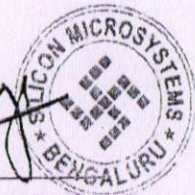
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Gagana S. K bearing UIN - ISV15EC013 of 7th Sem of
Department of ECE, SIET, Tumkur
has completed one weeks training program on
FPGA BASED VLSI DESIGN

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

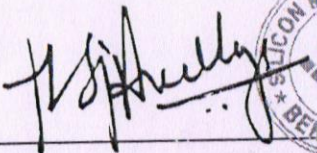
We found him / her sincere, hardworking, dedicated and result oriented.

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


XIMAX
SKILL UNIVERSITY
www.ximax.in


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&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

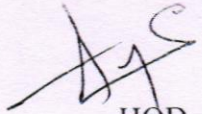
Assessment: Students should obtain

Min 80% of attendance

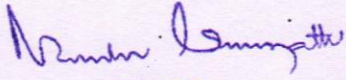
Min 80% Participation in practice session



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

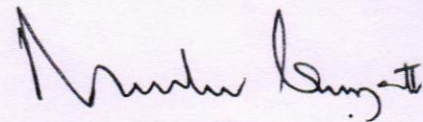
Date: 15/3/2020

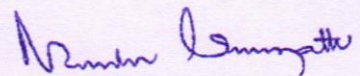
Place: SIET, Tumakuru.


Coordinator


HOD
Dept. of ECE
SIET, TUMAKURU

HOD
Dept of E&C
SIET, Tumkur-6


PRINCIPAL
SIET, TUMAKURU


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>

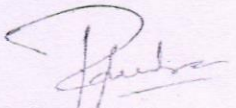


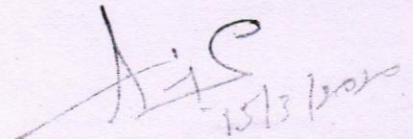
DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Date: 15/3/2020

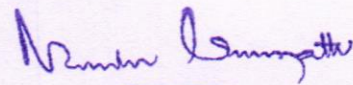
Circular

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

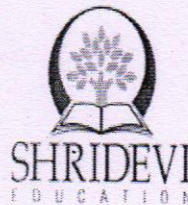
HOD
Dept of E&C
SIET, Tumkur-6


PRINCIPAL
SIET, TUMAKURU

SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY

SIRA ROAD, TUKAKURU

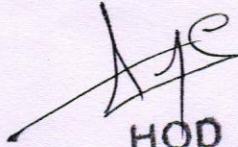
DEPARTMENT OF ELECTRONICS & COMMUNICATION
ENGINEERING

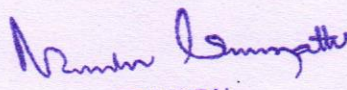


A REPORT ON

“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 |
| 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 |
| 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 | Ramyamg |
| 23 | RANJITHA B M | 1SV15EC039 | Ranjitha |
| 24 | ROHITH P | 1SV15EC040 | Rohith P |
| 25 | SAVITA HOSALLI | 1SV15EC041 | Savitha + 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.

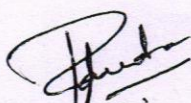
Applications

- 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

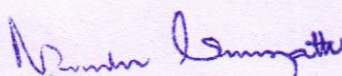
Assessment: Students should obtain

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
- 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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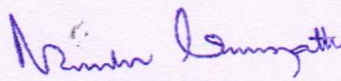
Assessment: Students should obtain

Min 80% of attendance

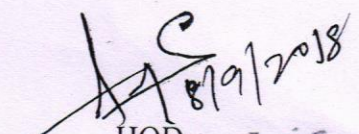
Min 80% Participation in practice session



Coordinator



PRINCIPAL
SIET., TUMAKURU.



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

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.

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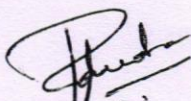
Applications

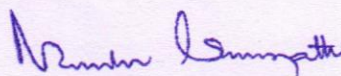
- 3D antenna design analysis of horns, micro strip patches, wire antennas, reflector antennas, conformal antennas, broadband antennas, arrays
- Antenna placement analysis of antenna radiation patterns, radiation hazard zones, etc. with an antenna placed on a large structure, e.g. ship, aircraft, armored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

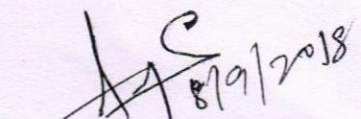
Assessment: Students should obtain

Min 80% of attendance

Min 80% Participation in practice session


Coordinator


PRINCIPAL
SIET., TUMAKURU.


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



SHRIDEVI
EDUCATION

Sri Shridevi Charitable Trust (R.)

SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY

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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/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.

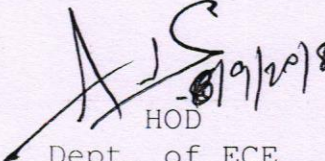
Kindly consider the above request and approve the same for further proceedings.

Thanking you

Date: 01/9/2018

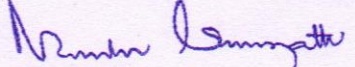
Place: SIET, Tumakuru.


Coordinator


HOD
Dept. of ECE
SIET, TUMAKURU

HOD
Dept of E&C
SIET, Tumkur-6

PRINCIPAL
SIET, TUMAKURU


PRINCIPAL
SIET., TUMAKURU.



SHRIDEVI
EDUCATION

Sri Shridevi Charitable Trust (R.)

SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY

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Sira Road, Tumakuru - 572 106. Karnataka.



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

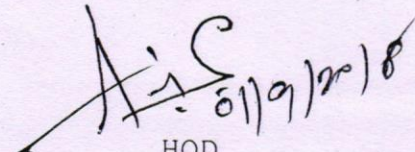
DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Date: 01/9/2018

Circular

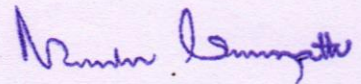
It is hereby informed to all 7th semester students that the "ANTENNA DESIGN training course from "8th September 2018 to 30th September 2018" will be conducted all students are informed to attend the training course with full attention.


Coordinator


HOD

Dept. of ECE
SIET, TUMAKURU

HOD
Dept of E&C
SIET, Tumkur-6



PRINCIPAL
SIET., TUMAKURU.

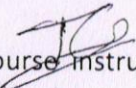
ACADEMIC YEAR 2018-2019

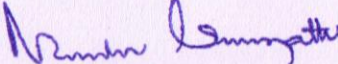
The following is the list of students undergone the value added course on "ANTENNA DESIGN " for a duration of one weeks from 8th September 2018 to 30thSeptember 2018.

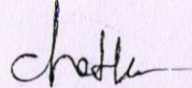
Academic year 2018-2019 (7thsem)

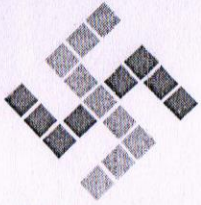
| Sl No | Name of the Student | USN | Date:8/9 | | Date:9/9 | | Date:15/9 | | Date:16/9 | | Date:22/9 | | Date:23/9 | |
|-------|-------------------------|------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| | | | 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 | Lat | Lat | Lat | Lat | Lat | Lat | Lat | Lat | Lat | Lat | Lat | Lat |
| 2 | ABHISHEK G SHEELVANT | 1SV15EC001 | Ab | Ab | Ab | Ab | Ab | Ab | Ab | Ab | Ab | Ab | Ab | Ab |
| 3 | AISHWARYA S M | 1SV15EC002 | Aishwarya | Aishwarya | Aishwarya | Aishwarya | Aishwarya | Aishwarya | Aishwarya | Aishwarya | Aishwarya | Aishwarya | Aishwarya | Aishwarya |
| 4 | AKSHATA BIRADAR | 1SV15EC003 | Ak | Ak | Ak | Ak | Ak | Ak | Ak | Ak | Ak | Ak | Ak | Ak |
| 5 | AMEENA ROUSHNIE | 1SV15EC004 | Am | Am | Am | Am | Am | Am | Am | Am | Am | Am | Am | Am |
| 6 | CL BALAJI | 1SV15EC009 | Cl | Cl | Cl | Cl | Cl | Cl | Cl | Cl | Cl | Cl | Cl | Cl |
| 7 | CHAITHRA M | 1SV15EC010 | Ch | Ch | Ch | Ch | Ch | Ch | Ch | Ch | Ch | Ch | Ch | Ch |
| 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 | De | De | De | De | De | De | De | De | De | De | De | De |
| 10 | GEETA RAMESHAPPA HANCHI | 1SV15EC014 | Geeta | Geeta | Geeta | Geeta | Geeta | Geeta | Geeta | Geeta | Geeta | Geeta | Geeta | Geeta |
| 11 | HARINI D C | 1SV15EC016 | Har | Har | Har | Har | Har | Har | Har | Har | Har | Har | Har | Har |
| 12 | S KAVITHA | 1SV15EC017 | Kav | Kav | Kav | Kav | Kav | Kav | Kav | Kav | Kav | Kav | Kav | Kav |
| 13 | MAMATHA M S | 1SV15EC020 | Mam | Mam | Mam | Mam | Mam | Mam | Mam | Mam | Mam | Mam | Mam | Mam |
| 14 | NITHYA SHREE B T | 1SV15EC026 | Nithya | Nithya | Nithya | Nithya | Nithya | Nithya | Nithya | Nithya | Nithya | Nithya | Nithya | Nithya |
| 15 | PADMA M A | 1SV15EC028 | Pa | Pa | Pa | Pa | Pa | Pa | Pa | Pa | Pa | Pa | Pa | Pa |
| 16 | POOJA K S | 1SV15EC030 | Poo | Poo | Poo | Poo | Poo | Poo | Poo | Poo | Poo | Poo | Poo | Poo |
| 17 | PRABIN KARKI | 1SV15EC031 | Pr | Pr | Pr | Pr | Pr | Pr | Pr | Pr | Pr | Pr | Pr | Pr |
| 18 | PRASHANT CHOUDRI | 1SV15EC032 | Prash | Prash | Prash | Prash | Prash | Prash | Prash | Prash | Prash | Prash | Prash | Prash |
| 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 | Rak | Rak | Rak | Rak | Rak | Rak | Rak | Rak | Rak | Rak | Rak | Rak |
| 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 | Aur | Aur | Aur | Aur |
| 4 | AKSHATA BIRADAR | 1SV15EC003 | Akhata | Akhata | Akhata | Akhata |
| 5 | AMEENA ROUSHNIE | 1SV15EC004 | Ameena | Ameena | Ameena | Ameena |
| 6 | CL BALAJI | 1SV15EC009 | Chlari | Chlari | Chlari | Chlari |
| 7 | CHAITHRA M | 1SV15EC010 | Chaitra | Chaitra | Chaitra | Chaitra |
| 8 | D CHANDANA | 1SV15EC011 | Dcha | Dcha | Dcha | Dcha |
| 9 | DEEPIKA H P | 1SV15EC012 | Dee | Dee | Dee | Dee |
| 10 | GEETA RAMESHAPPA HANCHI | 1SV15EC014 | Geeta | Geeta | Geeta | Geeta |
| 11 | HARINI D C | 1SV15EC016 | Harini | Harini | Harini | Harini |
| 12 | S KAVITHA | 1SV15EC017 | Kavi | Kavi | Kavi | Kavi |
| 13 | MAMATHA M S | 1SV15EC020 | Mam | Mam | Mam | Mam |
| 14 | NITHYA SHREE B T | 1SV15EC026 | Nithya | Nithya | Nithya | Nithya |
| 15 | PADMA M A | 1SV15EC028 | P | P | P | P |
| 16 | POOJA K S | 1SV15EC030 | Poo | Poo | Poo | Poo |
| 17 | PRABIN KARKI | 1SV15EC031 | Prabin | Prabin | Prabin | Prabin |
| 18 | PRASHANT CHOUDRI | 1SV15EC032 | Prashant | Prashant | Prashant | Prashant |
| 19 | PREETHI BAI B L | 1SV15EC033 | Preethi | Preethi | Preethi | Preethi |
| 20 | PRIYANKA K | 1SV15EC034 | Priyanka | Priyanka | Priyanka | Priyanka |
| 21 | RAKSHA M V | 1SV15EC036 | Raksha | Raksha | Raksha | Raksha |
| 22 | RAMYA M G | 1SV15EC038 | Ramy | Ramy | Ramy | Ramy |
| 23 | RANJITHA B M | 1SV15EC039 | Ranjitha | Ranjitha | Ranjitha | Ranjitha |
| 24 | ROHITH P | 1SV15EC040 | Rohith | Rohith | Rohith | Rohith |
| 25 | SAVITA HOSALLI | 1SV15EC041 | Savita | Savita | Savita | Savita |


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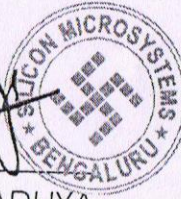
at our company from Date 08/09/2018 to Date 30/09/2018

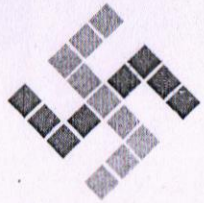
We found him / her sincere, hardworking, dedicated and result oriented.
He / She worked well as a part of the team & as an Individual during his / her tenure.
We take this opportunity to thank him / her and wish him / her all the best for the future.

Nandini Srinivas
PRINCIPAL
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M.S.JAYACHANDRA ARADHYA
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Nandini Srinivas

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M.S. Jayachandra Aradhya

M.S.JAYACHANDRA ARADHYA
DIRECTOR
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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.

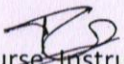
Academic year 2019-2020 (8th sem)

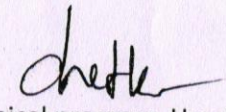
| Sl No | Name of the Student | USN | Date:21/9 | | Date:23/9 | | Date:24/9 | | Date:30/9 | | Date:31/9 | | Date:4/9 | |
|-------|---------------------|------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| | | | 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 |

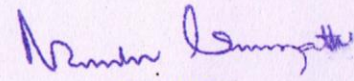
Nandini Srinivas

PRINCIPAL
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| 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


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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

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Arun.C.G bearing IDSN-15V15ECO05 of 8th Sem of
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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.

Nandhu Lemayattu
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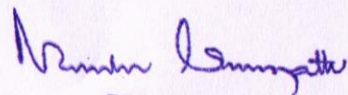
This Certifies that
Ramya - k bearing *15V14B0026* of *9th Sem* of
Department of ECE, SIET, Tumkur.
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ASIC based VLSI Design.

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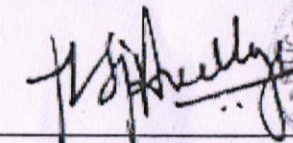
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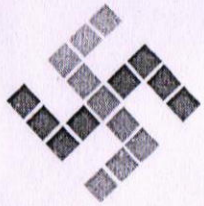
We take this opportunity to thank him / her and wish him / her all the best for the future.


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


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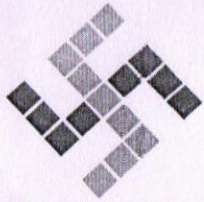
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N. Anand Kumar
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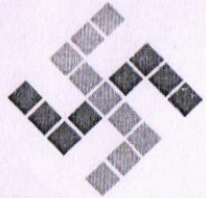
We take this opportunity to thank him / her and wish him / her all the best for the future.

Principals Signature
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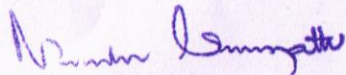
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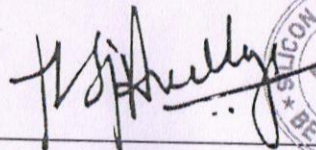
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Manjunath

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