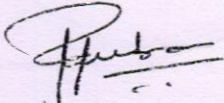


DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Date: 04/09/2021

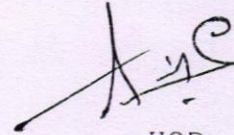
Circular

It is hereby informed to all 7th semester students whom have enrolled for Training Program on "Python with Machine Learning" from "06/09/2021 to 18/09/2021" in Tech Fortune, Bangalore to attend the training course without fail.



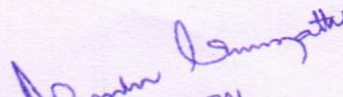
Coordinator

Dept. of ECE  
SIET, TUMAKURU



HOD

HOD  
Dept of E&C  
SIET, Tumkur-6

  
PRINCIPAL  
SIET, TUMAKURU.



Ref: SIET/EC/2021-2022/

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

**APPROVAL LETTER**

To,  
The Principal,  
SIET, Tumakuru

Respected Sir,

Sub: - Approval for Organizing Students Training Program on "Python with Machine Learning"-Reg.

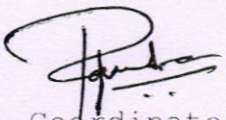
With reference to the subject cited above, I would like to bring to your kind notice that, the Department is planned to depute the Student for Training Program on "Python with Machine Learning" from "06/09/2021 to 18/09/2021" for 7th semester Electronics & communication engineering students.

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

Thanking you

Date: 02/09/2021

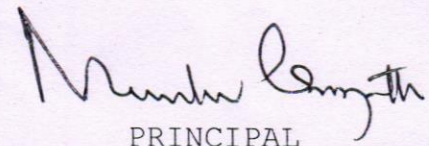
Place: SIET, Tumakuru.



Coordinator  
Dept. of ECE

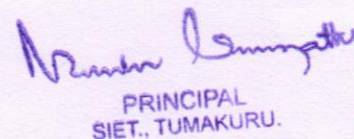


HOD  
SIET, TUMAKURU  
SIET, TUMAKURU



PRINCIPAL

HOD  
Dept of E&C  
SIET, Tumkur-6



PRINCIPAL  
SIET., TUMAKURU.



**CURRICULUM FOR VALUE ADDED COURSE ON “PYTHON WITH MACHINE LEARNING” IN Tech Fortune**

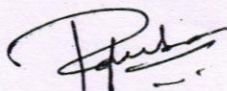
1. Basics OF PYTHON
2. Python Ecosystem
3. Methods for Machine Learning
4. Data Loading for ML Projects
5. Understanding Data with Statistics
6. Understanding Data with Visualization
7. Preparing Data
8. Data Feature Selection

**Assessment:**

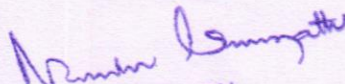
**Students should obtain:**

Min 80% of attendance

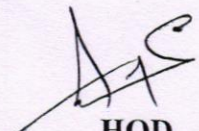
Min 80% Participation in practice session



Coordinator



PRINCIPAL  
SIET., TUMAKURU.



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

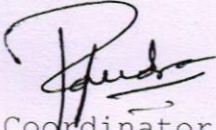


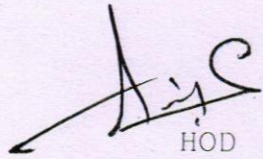
DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING


Date: 29/8/2021

Circular

It is hereby informed to all 5th semester students that the "Machine Learning With Python" training course from "4th OCT 2021 to 10th OCT 2021" will be conducted all students are informed to attend the training course without fail.

  
Coordinator

  
HOD  
Dept. of ECE  
SIET, TUMAKURU

  
PRINCIPAL  
SIET., TUMAKURU.

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,

Subject: - Approval for Organizing Students Training Program on "Machine Learning With Python"-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 "Machine Learning With Python" from "4th OCT 2021 to 10th OCT 2021" for 5th semester Electronics & communication engineering students.

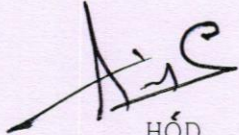
Kindly consider the above request and approve the same for further proceedings.

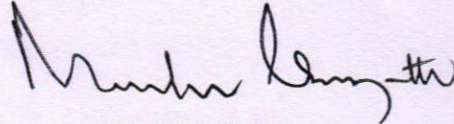
Thanking you

Date: 29/8/2021

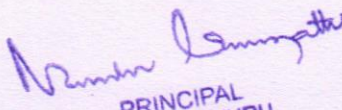
Place: SIET, Tumakuru.

  
Coordinator

  
HOD  
Dept. of ECE  
SIET, TUMAKURU

  
PRINCIPAL  
SIET, TUMAKURU

HOD  
Dept of E&C  
SIET, Tumkur-6

  
PRINCIPAL  
SIET, TUMAKURU.



**Curriculum for VALUE ADDED COURSE ON "MACHINE LEARNING WITH PYTHON"****1 - Introduction to Machine Learning**

Applications of Machine Learning  
Supervised vs Unsupervised Learning  
Python libraries suitable for Machine Learning

**2 - Regression**

Linear Regression  
Non-linear Regression  
Model evaluation methods

**3 - Classification**

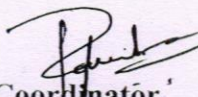
K-Nearest Neighbour  
Decision Trees  
Logistic Regression  
Support Vector Machines  
Model Evaluation

**4 - Unsupervised Learning**

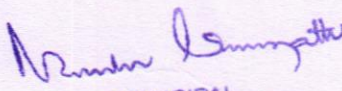
K-Means Clustering  
Hierarchical Clustering  
Density-Based Clustering

**Assessment:****Students should obtain:**

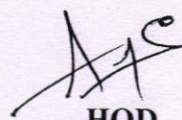
Min 80% of attendance  
Min 80% Participation in practice session



Coordinator



PRINCIPAL  
SIET, TUMAKURU.



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





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 INFORMATION SCIENCE AND ENGINEERING/ CSE**

Date: 15-09-2021

CIRCULAR

Department of Information Science and Engineering is organizing 23 days Certification course on "Java Full stack development with Angular / React"

All course registered students of ISE / CSE are hereby informed to attend the course as per the schedule below:

Course Name	Duration
Java Full stack development with Angular / React	21 <sup>st</sup> Oct 2021 to 14 <sup>th</sup> Nov 2021

Venue:

Online

*N. Srinivas*  
PRINCIPAL  
SIET., TUMAKURU.

*Suhas G.K.*  
Dr. Suhas G K  
(HOD - ISE)

HOD  
Dept. of ISE  
SIET, Tumkur-06



# Java Full Stack Developer Course with Angular / React

## Module 01 – Core Java 8

- Day 1 - Git & Git-hub
- Day 2 - Introduction to Java, Eclipse IDE Setup
- Day 3 - OOPS Concepts
- Day 4 - Packages, Access Modifier
- Day 5 - Inheritance, Scanner Class, Buffered Reader

### *Weekend 1 - Assignment (Create MCQ's for above topics – 50)*

- Day 6 - Static, abstract and final
- Day 7 – Constructors, this keyword, instanceof
- Day 8 - Polymorphism
- Day 9 - Interfaces, Wrapper Classes,
- Day 10 - Arrays

### *Weekend 2 - Assignment (Create MCQ's for above topics – 50)*

- Day 11 - Exception handling
- Day 12 - Multi threading
- Day 13 - Java Collections 1
- Day 14 - JAVA collections 2
- Day 15 - Strings

### *Weekend 3 - Assignment (Create MCQ's for above topics – 50)*

- Day 16 - JDBC
- Day 17 - JDBC - MVC - CRUD Operations
- Day 18 - Java Generics
- Day 19 - JUnit 5
- Day 20 - Stream API

### *Weekend 4 - Assignment (Create MCQ's for above topics – 50)*

- Day 21 - Annotations
- Day 22 - Date Time API
- Day 23 - Lambda Expressions
- Day 24 – Enums, Regex
- Day 25 – Concurrency + Case Study assignment

### *Weekend 5 - Case study implementation task*

- Day 26 – Core Java – Practice Test on i-Compass Portal

*Suhag C.P.R*

HOD  
Dept. of ISE  
SIET, Tumkur-06

*Ramesh Kumar*  
PRINCIPAL  
SIET., TUMAKURU.



## Module 02 – JPA with Hibernate 3.0

Day 27 to Day 37 - **JPA with Hibernate 3.0**

## Module 03 – Spring 5.0 and Spring Boot

Day 37 to Day 47 - **Spring 5.0 and Spring Boot**

Day 48 to Day 50 - *Remedial/Support sessions*

Day 51 to Day 52 - **Sprint 1** (Project Implementation with Core Java + Spring Boot)

## Module 04 – Front End Technologies

Day 52 - Bootstrap 4

Day 53 - HTML5

Day 54 - CSS3

Day 55 - ES6 & TypeScript

Day 56 - JS

Day 56 to Day 70 - Angular or React

Day 71 to Day 73 - **Sprint 2** (Project Implementation with Front End )

Day 74 - Final Test & Batch Closing

### L&D Links:

#### 1) Main Reference – JFS – TTT Videos

<https://drive.google.com/drive/folders/1Lm-qXIYxOqI0lADEmmrZZe8CsCe17rG-?usp=sharing>

#### Additional Reference – JFS TTT videos ( Hackerearth – Problem Solving)

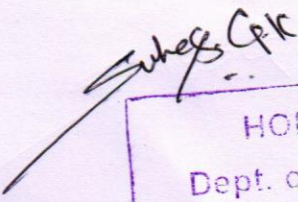
<https://youtube.com/playlist?list=PLI4sUPreneOqxj1pmRF7Np4DhFwmaWOB0>

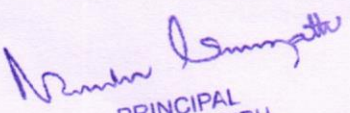
#### 2) Trainer's Support Videos

[https://youtube.com/playlist?list=PL7Puz1Dmfw-GjLdRhy6lpALBL216\\_rkFV](https://youtube.com/playlist?list=PL7Puz1Dmfw-GjLdRhy6lpALBL216_rkFV)

#### 3) Capgemini Course Materials – JEE

<https://drive.google.com/drive/folders/1Ku5jQ1AMMPeGw88rPBTpiNAoG2h0EnYm?usp=sharing>

  
HOD  
Dept. of ISE  
SIET, Tumkur 59

  
PRINCIPAL  
SIET., TUMAKURU.



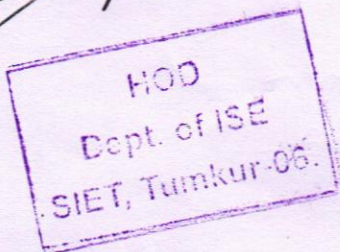
## ACTIVITY REPORT-C2TC PROGRAM

<b>Organization with which MoU is signed</b>	:	Shridevi Institute of Engineering & Technology
<b>Name of the institution/industry/corporate house</b>	:	TNS India Foundation (TNSF)
<b>Year of signing MoU</b>	:	2022
<b>Duration</b>	:	From- To 11 <sup>TH</sup> April 2022-11 <sup>th</sup> april 2025
<b>Department</b>	:	Information Science & Engineering
<b>Co-Ordinator</b>	:	Dr. Suhas G K, HOD-ISE
<b>Participants</b>	:	Faculty / Students : Students (Final year)
<b>No of Participants</b>	:	50

### The objective of the Event

- a CSR Initiative of CAPGEMINI India, implemented by techno serve India for students belonging to BPL families whose parent annual income is  $\leq 40000$  ,studying in CSE,ISE,E&C,EEE,Mechanical&Civil branches at Shridevi Institute of Engineering and Technology

*Suhas G K*



*Principals*  
PRINCIPAL  
SIET., TUMAKURU.



## List the actual activities under MoU

The highlights of the programme is as follows :

1. Duration of the training : 250-500 hrs
2. Modules to be covered:
  - A) Soft skills ,Life skills , and Employer readiness
  - B) Technical skills
    - B1) Advanced software development
    - B2)Analytics and Data science
3. Mode of implementation : Google tools like meet , classroom , and drive
4. Charge : Sponsored by Capgemini .
5. Eligibility : Students whose parent annual income is  $\leq 40000$ /Month.
6. Employee readiness : Programming , Software development, IT, ITES
7. Deliverables : Instructor led online sessions, assignments , projects, guided self-learning content .

## About the partnering institution /industry of MoU

- **TNS India Foundation (TNSIF)**, a section 25 Company incorporated under the provision of The Companies Act, 1956 is conducting a "Campus to Technical Careers (C2TC) Program" for enhancement of employability and workplace skills for deserving youth in technical roles.

e-Copies of the MoUs with institution./industry/corporate houses

Additional Information

- Attached(copy of mou)

*Suresh C. K.*  
HOD  
Dept of ISE  
SIET, Tumkur-06.

*Principals*  
PRINCIPAL  
SIET., TUMAKURU.

Gallery



## Event Photos



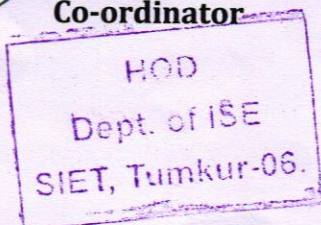
## Program Outcome

- Post completion of a course : Arrangements for placement options and interviews by CAPGEMINI .

## Feedback

*Subhas GK*

Co-ordinator



\*\*\*\*\*

*Manjunath*

Principal

Shridevi Institute of Engineering & Technology





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

SHRIDEVI  
EDUCATION

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

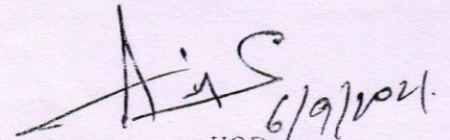
DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

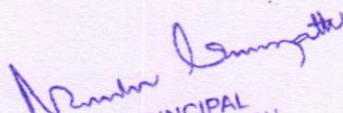
Date: 06/09/2021

Circular

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

  
Coordinator

  
HOD  
Dept. of ECE  
SIET, TUMAKURU

  
PRINCIPAL  
SIET, TUMAKURU.

HOD  
Dept of E&C  
SIET, Tumkur-6



Ref: SIET/EC/2021-22/01

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

**APPROVAL LETTER**

To,  
The Principal,  
SIET, Tumakuru

Respected Sir,

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

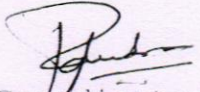
With reference to the subject cited above, I would like to bring to your kind notice that, the Department is planned to organize Student Training Program on "THE ARDUINO PLATFORM and C PROGRAMMING" from "6th November 2021 to 26th December 2021" for 5th semester Electronics & communication engineering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

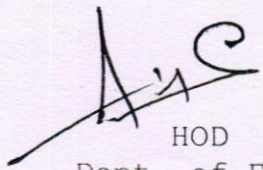
Kindly consider the above request and approve the same for further proceedings.

Thanking you

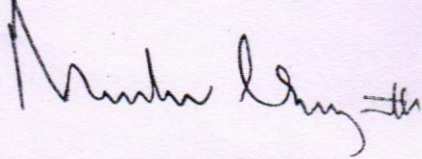
Date: 29/10/2021

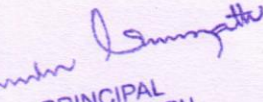
Place: SIET, Tumakuru.

  
Coordinator

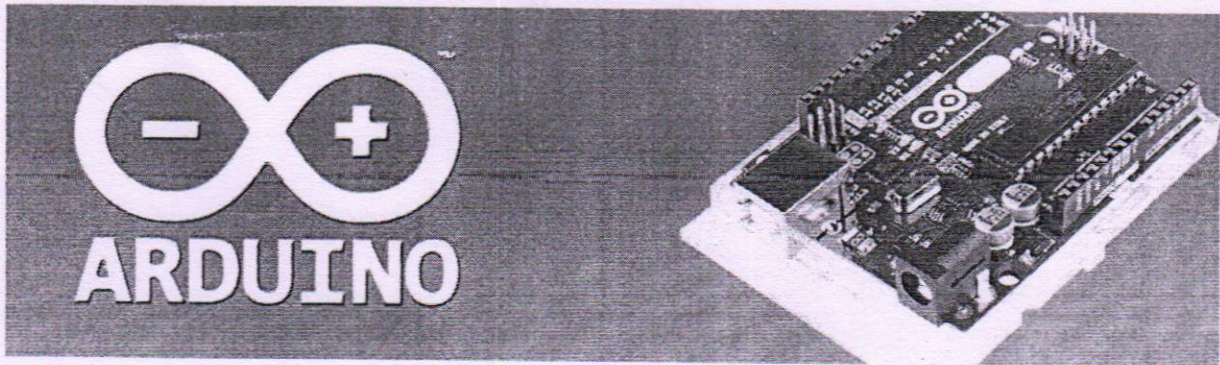
  
HOD  
Dept. of ECE  
SIET, TUMAKURU

HOD  
Dept of E&C  
SIET, Tumkur-6

  
PRINCIPAL  
SIET, TUMAKURU

  
PRINCIPAL  
SIET, TUMAKURU.



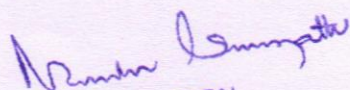


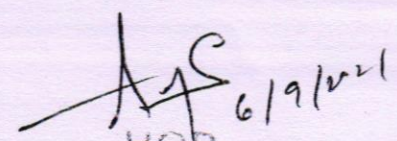
## The Arduino Platform and C Programming

*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

  
PRINCIPAL  
SIET, TUMAKURU.

  
HOD  
Dept of E&C  
SIET, Tumkur-6

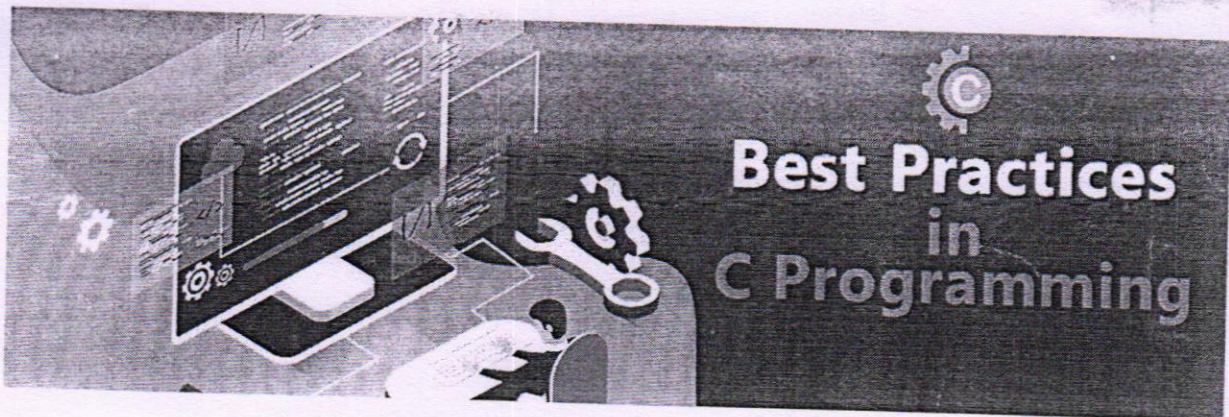


18. Differentiate between digital and analog pin
19. Debug embedded software
20. Explain the importance of controllability and observability in the debugging process
21. Describe common debugging architectures for embedded systems
22. Explain how the UART Serial communication protocol works
23. Describe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

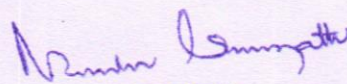
## Arduino Environment

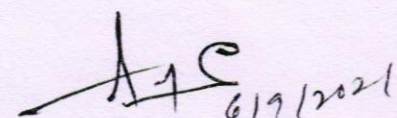
This module provides an introduction to the Arduino environment which is composed of three things: the Arduino board, the Arduino IDE, and the Arduino-compatible shields together with their libraries. We first investigate the board, discussing all of its main components, inputs, and outputs. We discuss 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.

  
PRINCIPAL  
SIET, TUMAKURU.

  
6/9/2021  
HOD  
Dept of E&C  
SIET, Tumkur-6  
2 | Page



## 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.

*Principals Signature*  
PRINCIPAL  
SIET., TUMAKURU.

*Signature* 6/9/2021  
HOD  
Dept of E&C  
SIET, Tumkur-6

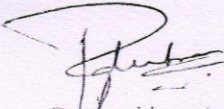


DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

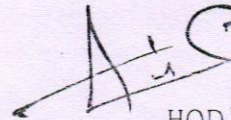
Date: 10/03/2022

Circular

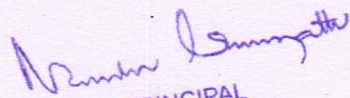
It is hereby informed to all 6th semester students that the "INTERFACING WITH ARDUINO" training course from "19th March 2022 to 8th May 2022" will be conducted all students are informed to attend the training course without fail.



Coordinator



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



PRINCIPAL  
SIET., TUMAKURU.

HOD  
Dept of E&C  
SIET, Tumkur-6





SHRIDEVI  
EDUCATION

Sri Shridevi Charitable Trust (R.)

SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY

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

Sira Road, Tumakuru - 572 106, Karnataka.



An ISO 9001:2015 Certified Institution



FS 543667



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

Ref: SIET/EC/2021-22/02

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

APPROVAL LETTER

To,  
The Principal,  
SIET, Tumakuru

Respected Sir,

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

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

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

Thanking you

Date: 10/03/2022

Place: SIET, Tumakuru.

Coordinator

HOD  
Dept. of ECE  
SIET, TUMAKURU

HOD  
Dept of E&C  
SIET, Tumkur-6

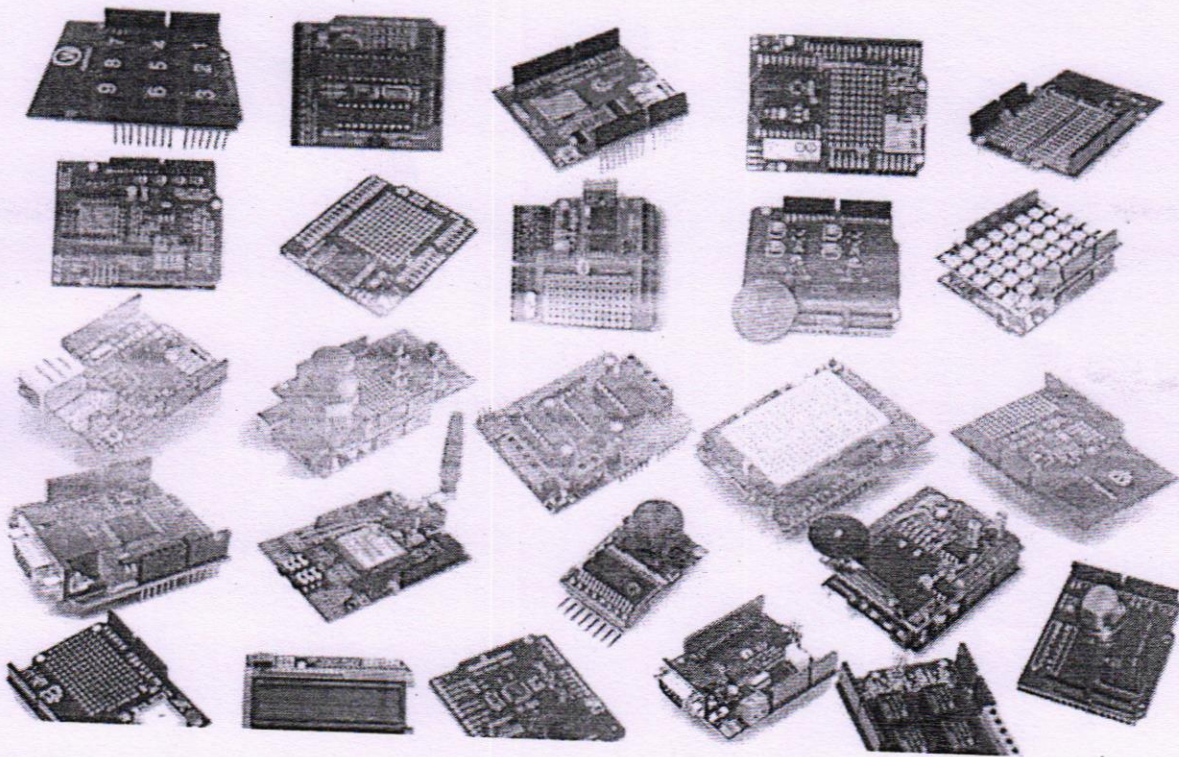
PRINCIPAL  
SIET, TUMAKURU

PRINCIPAL  
SIET., TUMAKURU.



# 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.

*N. Srinivasan*  
PRINCIPAL  
SIET., TUMAKURU.

*A. S. Srinivasan* 10/31/2022  
HOD  
Dept of E&C  
SIET, Tumkur-6





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](mailto:info@shrideviengineering.org) | Web: <http://www.shrideviengineering.org>



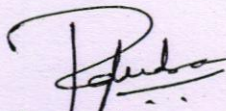
An ISO 9001:2015 Certified Institution

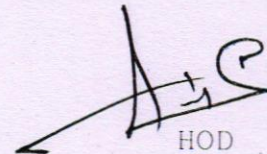
DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

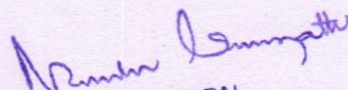
Date: 6/4/2022

## Circular

It is hereby informed to all 6th semester students that the "DATA SCIENCE" training course from "14<sup>th</sup> April 2022 to 20th April 2022" will be conducted all students are informed to attend the training course without fail.

  
Coordinator

  
HOD  
Dept. of ECE  
SIET, TUMAKURU

  
PRINCIPAL  
SIET., TUMAKURU.

HOD  
Dept of E&C  
SIET, Tumkur-6





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



Ref: SIET/EC/2021-22 /02

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

**APPROVAL LETTER**

To,  
The Principal,  
SIET, Tumakuru

Respected Sir,

Subject: - Approval for Organizing Students Training Program on "DATA SCIENCE"-  
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 "DATA SCIENCE" from "14<sup>th</sup> April 2022 to 20<sup>th</sup> April 2022" for 6<sup>th</sup> semester Electronics & communication engineering students.

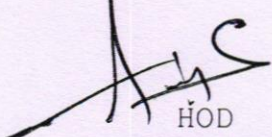
Kindly consider the above request and approve the same for further proceedings.

Thanking you

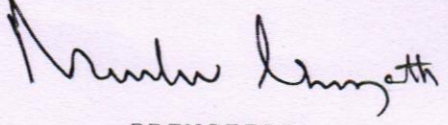
Date: 6/4/2022


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

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 VALUE ADDED COURSE ON "DATA SCIENCE"

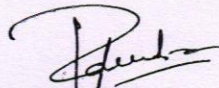
- Introduction to Data Science
- Mathematical & Statistical Skills
- Machine Learning
- Coding
- Algorithms used in Machine Learning
- Statistical Foundations for Data Science
- Data Structures & Algorithms
- Data Visualization
- Matrix Computations
- Scholastic Models
- Experimentation, Evaluation and Project Deployment Tools
- Predictive Analytics and Segmentation using Clustering
- Exploratory Data Analysis
- Business Acumen & Artificial Intelligence

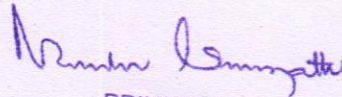
#### Assessment:

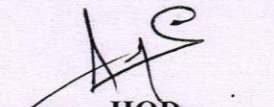
#### Students should obtain:

Min 80% of attendance

Min 80% Participation in practice session

  
Coordinator

  
PRINCIPAL  
SIET., TUMAKURU.

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



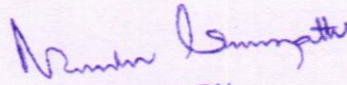
Date: 02-05-2022

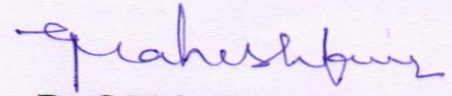
**CIRCULAR**

Department of Civil Engineering, SIET in association with LGS Social Innovation and Research centre, Tumkur is conducting online courses with practical survey and ground work.

All final year students of Civil Engineering are hereby informed to register and to attend the courses as per the schedule and curriculum set by the LGS Trust:

Sl.No	Project Name	Duration
1	Agri Job Opportunities Platform in Rural Areas	• 15 May 2022 to 30 May 2022
2	Indian Constitution Making and its heroes	
3	Zero Food Waste -Connecting Foodless with Hotels and Community Halls	
4	"My College - My Farmland" - Growing Green Vegetables in College Campus	• 1st jun 2022 to 15th jun 2022
5	Conducting Census in College	
6	Indian Cinema and its milestones	• 15th jun 2022 to 30th jun 2022 (80 Hrs)
7	A case study on UNESCO's World Heritage Centre	
8	Film Festival in College - Charity Fundraising Activity - Screening Film in College Auditorium	

  
PRINCIPAL  
SIET, TUMAKURU.

  
Dr. G Mahesh Kumar  
(HOD)  
HOD  
Dept. of Civil Engineering  
SIET, TUMKUR - 6.



**DEPARTMENT OF CIVIL ENGINEERING**

Date: 02-05-2022

**Curriculum for different courses and assessment under LGS Social Innovation and Research Centre**

Sl.No	Project Name	Duration
1	Agri Job Opportunities Platform in Rural Areas	• 15 May 2022 to 30 May 2022
2	Indian Constitution Making and its heroes	
3	Zero Food Waste -Connecting Foodless with Hotels and Community Halls	
4	"My College - My Farmland" - Growing Green Vegetables in College Campus	• 1st jun 2022 to 15th jun 2022
5	Conducting Census in College	
6	Indian Cinema and its milestones	
7	A case study on UNESCO's World Heritage Centre	• 15th jun 2022 to 30th jun 2022 (80 Hrs)
8	Film Festival in College - Charity Fundraising Activity - Screening Film in College Auditorium	

Plan for 100 Points				
Sl. No	Project No	Hours Involvement	Credit Points Earned	Completion Date
01	Project - 01	80 Hours	20 Points	By the 8 <sup>th</sup> Semester Commencement
02	Project - 02	80 Hours	20 Points	
03	Project - 03	80 Hours	20 Points	
04	Project - 04	80 Hours	20 Points	
05	Project - 05	80 Hours	20 Points	
	<b>Total - 5 Projects</b>	<b>400 Hours</b>	<b>100 Points</b>	

Plan for 75 Points				
Sl. No	Project No	Hours Involvement	Credit Points Earned	Completion Date
01	Project - 01	80 Hours	20 Points	By the 8 <sup>th</sup> Semester Commencement
02	Project - 02	80 Hours	20 Points	
03	Project - 03	80 Hours	20 Points	
04	Project - 04	60 Hours	15 Points	
	<b>Total - 4 Projects</b>	<b>300 Hours</b>	<b>75 Points</b>	

Plan for 50 Points				
Sl. No	Project No	Hours Involvement	Credit Points Earned	Completion Date
01	Project - 01	80 Hours	20 Points	By the 8 <sup>th</sup> Semester Commencement
02	Project - 02	80 Hours	20 Points	
03	Project - 03	40 Hours	10 Points	
	<b>Total - 3 Projects</b>	<b>200 Hours</b>	<b>50 Points</b>	

*[Handwritten Signature]*

PRINCIPAL  
SIET. TUMAKURU



Plan for 25 Points				
Sl. No	Project No	Hours Involvement	Credit Points Earned	Completion Date
01	Project - 01	80 Hours	20 Points	By the 8 <sup>th</sup> Semester Commencement
02	Project - 02	20 Hours	05 Points	
<b>Total - 2 Projects</b>		<b>100 Hours</b>	<b>25 Points</b>	

### Implementation Plan for 20 Points:

For the easiness of Implementation, the project was divided to 2 phases. In each phase, the separate dynamics of the project was understood.

#### Phase-1 details:

- 10 Hours of Theory Class understanding the Source of Problem, Features of Problem, Present Solutions, Success and Failure of Present Solutions, The Possible Solution to solve such issues
- 20 Hours of Case Studies, Interviews and Problem Analysis

#### Phase-2 details:

- 40 Hours of Practical Survey and Ground Work with the nearby Beneficiaries
- 05 Hours of suggesting Engineering Solution
- 05 Hours of Report writing

Implementation Plan of Project for 80 Hours	
Phase - 1	Phase - 2
(30 Hours)	(50 Hours)
Theory - Case Study - Report	Practical Survey - Engg Solution - Report
Under the LGS Trust Mentorship	Under the LGS Trust Mentorship

### Implementation Plan for 15 Points:

For the easiness of Implementation, the project was divided to 2 phases. In each phase, the separate dynamics of the project was understood.

#### Phase-1 details:

- 10 Hours of Theory Class understanding the Source of Problem, Features of Problem, Present Solutions, Success and Failure of Present Solutions, The Possible Solution to solve such issues
- 15 Hours of Case Studies, Interviews and Problem Analysis

#### Phase-2 details:

- 30 Hours of Practical Survey and Ground Work with the nearby Beneficiaries
- 2.5 Hours of suggesting Engineering Solution
- 2.5 Hours of Report writing

*Nandha Sundararajan*  
 PRINCIPAL  
 SIFT, TUMAKURU.



Implementation Plan of Project for 60 Hours	
Phase – 1	Phase – 2
(25 Hours)	(35 Hours)
Theory – Case Study – Report	Practical Survey – Engg Solution - Report
Under the LGS Trust Mentorship	Under the LGS Trust Mentorship

### Implementation Plan for 10 Points:

For the easiness of Implementation, the project was divided to 2 phases. In each phase, the separate dynamics of the project was understood.

#### Phase-1 details:

- 10 Hours of Theory Class understanding the Source of Problem, Features of Problem, Present Solutions, Success and Failure of Present Solutions, The Possible Solution to solve such issues
- 10 Hours of Case Studies, Interviews and Problem Analysis

#### Phase-2 details:

- 15 Hours of Practical Survey and Ground Work with the nearby Beneficiaries
- 2.5 Hours of suggesting Engineering Solution
- 2.5 Hours of Report writing

Implementation Plan of Project for 40 Hours	
Phase – 1	Phase – 2
(20 Hours)	(20 Hours)
Theory – Case Study – Report	Practical Survey – Engg Solution - Report
Under the LGS Trust Mentorship	Under the LGS Trust Mentorship

### Implementation Plan for 05 Points:

For the easiness of Implementation, the project was divided to 2 phases. In each phase, the separate dynamics of the project was understood.

#### Phase-1 details:

- 10 Hours of Theory Class understanding the Source of Problem, Features of Problem, Present Solutions, Success and Failure of Present Solutions, The Possible Solution to solve such issues
- 02 Hours of Case Studies, Interviews and Problem Analysis

#### Phase-2 details:

- 05 Hours of Practical Survey and Ground Work with the nearby Beneficiaries

*N. Srinivasan*  
PRINCIPAL  
SIET., TUMAKURU.



- 1.5 Hours of suggesting Engineering Solution
- 1.5 Hours of Report writing

Implementation Plan of Project for 20 Hours	
Phase – 1	Phase – 2
(12 Hours)	(08 Hours)
Theory – Case Study – Report	Practical Survey – Engg Solution - Report
Under the LGS Trust Mentorship	Under the LGS Trust Mentorship

*Dr. G Mahesh Kumar*

(Dr. G Mahesh Kumar)

**HOD**

**Dept: of Civil Engineering**  
**SIET, TUMKUR - 6**

*Dr. Narendra Viswanath*

(Dr. Narendra Viswanath)

**Principal**

**PRINCIPAL**  
**SIET., TUMAKURU.**

*Narendra Viswanath*

**PRINCIPAL**  
**SIET., TUMAKURU.**



Date: 04-07-2022

**REPORT ON DIFFERENT COURSES CONDUCTED UNDER LGS SOCIAL  
INNOVATION AND RESEARCH CENTRE**

**Name of the Project Course:**

1. Zero Food Waste Connecting Foodless with Hostel and Community Halls
2. Agri Job Opportunities Platform in Rural Areas
3. Indian constitution making and its Heores
4. Conducing Census in College

**Course duration:**

15 May 2022 to 30 May 2022

1th jun 2022 to 15th jun 2022

15th jun 2022 to 30th jun 2022

**No. of Participants:**

- Zero Food Waste Connecting Foodless with Hostel and Community Halls- 13 students
- Agri Job Opportunities Platform in Rural Areas -26 students
- Indian constitution making and its Heores – 9 students
- Conducing Census in College – 1 student

**Program Coordinator:** Dr. C Nagaraja, Professor, CED, SIET

**Training Person:** Mr. Harsha S, LGS Trust, Tumkur

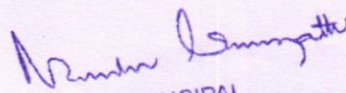
**Objective:**

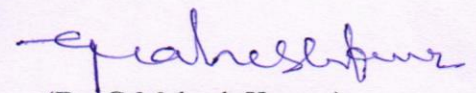
The objective of this program is to enrich student with the knowledge and practical survey and ground work, Problem identification and obtaining solution for the problems.

**Outcome:**

The participants have acquired knowledge of skill development by Conducting field survey, problem identification and obtaining solution for the problems. Enriches the skill required in civil engineering career.

Certificates were distributed to the participants who have completed the courses successfully.

  
PRINCIPAL  
SIET., TUMAKURU.

  
(Dr. G Mahesh Kumar)  
HOD  
HOD  
Dept. of Civil Engineering  
SIET, TUMKURU



**Date: 01-10-2022**

**CIRCULAR**

Department of Civil Engineering, SIET in association with ShriTEK Innovation, Tumkur is conducting an course on "An Insight into the Construction Material Manufacturing and Industries related to Civil Engineering Infrastructure".

All students of Civil Engineering are hereby informed to attend the as per the schedule below:

Sl.No	Semester	Duration	Timing
1	IV sem	11th October 2022 to 31st October 2022	9:00 AM to 4:00 PM
2	II sem		

Date	Day	Morning session	Afternoon session
11-10-2022	Tuesday	Inauguration	Orientation class
12-10-2022	Wednesday	Introduction to Civil Engineering and scope	Construction site visit in campus SIET Auditorium
13-10-2022	Thursday	Building Materials, uses and applications	Visit to Medical Hospital
14-10-2022	Friday	Visit to RMC plant and crushers	Visit to Mydala tank and hill road constructions
15-10-2022	Saturday	1st week Report submission and presentation with PPT	
16-10-2022	Sunday	Site Vist and shop vist near by and collection of details of construction materials	
17-10-2022	Monday	Introduction to MS Word, excel and powerpoint	Introduction to Auto CAD
18-10-2022	Tuesday	Infrastructures- tunnel, Highway, Railways, Off shore structures, Airports etc	Infrastructure PPT presentation
19-10-2022	Wednesday	Cement, concrete and an insight	Visit to Medical College and Skill lab
20-10-2022	Thursday	Smart city Data center visit	Visit to smart city projects like Amanikere, Tumakuru bus stand, Glass house and Central library
21-10-2022	Friday	About Trraining and Placement Activities	Visit to tiles and pavament industry
22-10-2022	Saturday	Soft Skill and personality development	Soft Skill and personality development
23-10-2022	Sunday	Site Vist and shop vist near by and collection of details of construction materials	
24-10-2022	Monday	Assignment	Assignment
25-10-2022	Tuesday	Marking of a single room foundation	Visit to industrial structure - rice mill
26-10-2022	Wednesday	Assignment	Assignment
27-10-2022	Thursday	Soil importance, testing	Hands training on Auto CAD
28-10-2022	Friday	Visit to Yettinahole water supply project in Tumkur Dist.	
29-10-2022	Saturday	Industrial Safty and Fire Safty	Construction site visit
30-10-2022	Sunday	Site Vist and shop vist near by and collection of details of construction materials	
31-10-2022	Monday	Draft copy of Final Report submission and presentation with PPT	

*Ramesh Kumar*  
**PRINCIPAL**  
**SIET., TUMAKURU.**

*G Mahesh Kumar*  
**Dr. G Mahesh Kumar**  
**(HOD)**  
**Dept. of Civil Engineering**  
**SIET, TUMKUR - 6.**





Date: 01-10-2022

**Curriculum for “An Insight into the Construction Material Manufacturing and Industries related to Civil Engineering Infrastructure”.**

Duration: 120 Hr

**Overview**

The course will provides an overview of all skills needed for a civil engineer in construction industries.

**Syllabus**

**1. TILE MANUFACTURING INDUSTRIES**

Manufacturing of paver blocks, solid blocks, kerb stones

**2. INDUSTRIAL STEEL STRUCTURES**

Roof truss, steel columns, chimney, rice production units.

**3. RMC PLANT AND STONE QUARRY**

RMC batching unit, mix design, RMC vehicle, Stone quarry crusher, Production of stone, M-sand, Quarry dust.

**4. TUMKUR SMART CITY AND ITS INFRASTRUCTURES**

Data Centre, city roads surveillance, traffic monitoring, traffic signals monitoring, Panic assistance, Tumkur city Bus Stand and Library, Glass House, Amani kere.

**5. EARTHEN DAMS AND HILL ROAD CONSTRUCTIONS**

Earthen dam construction at Amanikere, Tumkur, Maidalkere construction, water supply to Tumkur city, hill road construction to Basadi betta .

**6. LIFT IRRIGATION**

Lift Irrigation project (yethinahole project) , aqua duct, precast yard of deck slab and pier construction , reinforcement detailing of aqua duct segments, 33 METER 5 SECTION ZZ-FOLD BOOM PUMP (33X-5ZZ) operating procedures.

(Dr. G Mahesh Kumar)

**HOD**

Dept. of Civil Engineering  
SIET, TUMKUR - 6.

**Principal**

PRINCIPAL  
SIET., TUMAKURU.

PRINCIPAL  
SIET., TUMAKURU.



Date: 02-11-2022

**REPORT on An insight into the Construction Material Manufacturing and Industries related to Civil Engineering Infrastructure courses conducted under ShriTEK Innovation, Tumkur.**

**Program duration:** 11th October 2022 to 31st October 2022

**No. of Participants:** 28

**Program Coordinator:** Dr. C Nagaraja, Professor, CED, SIET

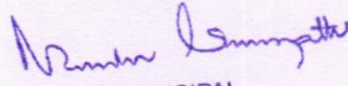
**Objective:**

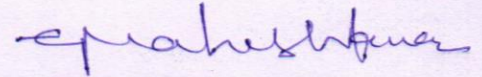
The objective of this program is to enrich student with the knowledge on **An insight into the Construction Material Manufacturing and Industries related to Civil Engineering Infrastructure.**

**Outcome:**

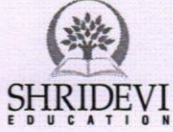
The participants have acquired knowledge of construction of building materials, infrastructures construction and post/ pre construction its monitoring, water tanks, water supply to Tumkur city, hill road construction, lift irrigation (Yethinahole project) The course fulfills the basic requirement for a civil engineering career.

Certificates were distributed to the participants who have attended minimum 80% of the sessions.

  
PRINCIPAL  
SIET, TUMAKURU.

  
(Dr. G Mahesh Kumar)  
**HOD**  
Dept. of Civil Engineering  
SIET, TUMKUR - 0.





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. | Website: www.shrideviengineering.org



## Department of MBA

Date: 05-12-2022

### REPORT ON APPLICATION BASED PROGRAM ON ADVANCE EXCEL, POWER POINT AND WORD

**Name of the Course:** Application based program on advance excel, Power point and word

**Organizing Unit:** ExcelR

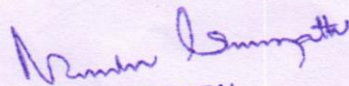
**Course Duration:** 30 Hours

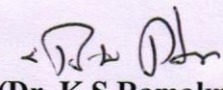
**No. of participants:** 49

**Objective:** The main objective of this course is to enrich the students with the knowledge of word, power point and excel and its application. To enable students to gain advanced level skills and to gain certification in advance excel in order to build career profile.

#### Outcome:

- Important features of MS Excel along with an overview of how to use the program, its benefits and other important elements.
- Know how to navigate the Excel user interface and uses Excel commands.
- Manipulate data list using outline, auto- filters and pivot tables.
- Use consolidation to summarize and report results from multiple worksheets

  
PRINCIPAL  
SIET., TUMAKURU.

  
(Dr. K S Ramakrishna)  
Head of the Department  
M.B.A. Programme  
S.I.E.T. Tumkur  
HOD





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

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  
FS 543667

**DEPARTMENT OF CIVIL ENGINEERING**

Date: 31-03-2021

**CIRCULAR**

Department of Civil Engineering, SIET in association with CASD DESK, Tumkur is conducting software programmes related to Civil Engineering.

All students of Civil Engineering are hereby informed to attend as per the schedule below:

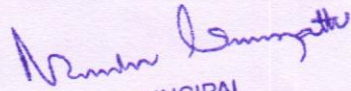
Sem	Software Name	Duration
IV	Google Sketchup	1 <sup>st</sup> April 2021 to 30 <sup>th</sup> April 2021
VI	Revit Architecture and Structure	1 <sup>st</sup> April 2021 to 30 <sup>th</sup> April 2021
VIII	SAFE	1 <sup>st</sup> April 2021 to 30 <sup>th</sup> April 2021

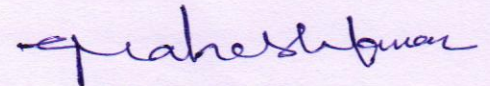
**Venue:**

IV SEM: CivilCAD LAB, Time: 4:30pm to 6:00pm

VI SEM: MechanicalCAD LAB, Time: 4:30pm to 6:00pm

IV SEM: CS LAB, Time: 4:30pm to 6:00pm

  
PRINCIPAL  
SIET., TUMAKURU.

  
Dr. G Mahesh Kumar  
(HOD)  
HOD  
Dept. of Civil Engineering  
SIET, TUMKUR - 6.



Date: 03-04-2021

**REPORT ON SOFTWARE PROGRAMS IN CIVIL ENGINEERING**

**Name of the software program:** Google sketchup

**No. of Resource Persons:** 1

**Program duration:** 1<sup>st</sup> April 2021 to 30<sup>th</sup> April 2021

**No. of Participants:** 44

**Program Coordinator:** Dr. C Nagaraja, Professor, CED, SIET

**Resource Person:** Mr. Tejus M, Center Head, CAD Desk , Tumakuru.

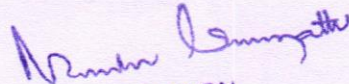
**Objective:**

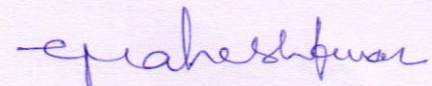
The objective of this program is to enrich student with the knowledge of industrial software and its application in various domains covering several modules falling under the umbrella of Google sketchup.

**Outcome:**

The participants have acquired knowledge of Google sketchup its uses. The software fulfills the basic requirement for a civil engineering career.

Certificates were distributed to the participants who have attended minimum 80% of the sessions.

  
PRINCIPAL  
SIET., TUMAKURU.

  
(Dr. G Mahesh Kumar)  
HOD  
Dept. of Civil Engineering  
SIET, TUMKUR - 6.



Date: 03-04-2021

**REPORT ON SOFTWARE PROGRAMS IN CIVIL ENGINEERING**

**Name of the software program:** Revit Architecture and Structure

**No. of Resource Persons:** 1

**Program duration:** 1<sup>st</sup> April 2021 to 30<sup>th</sup> April 2021

**No. of Participants:** 45

**Program Coordinator:** Mr. Prakash J, Assistant Professor, CED, SIET

**Resource Person:** Mrs. RadikaT N, Trainee Engineer, CAD Desk , Tumakuru.

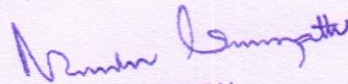
**Objective:**

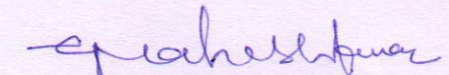
The objective of this program is to enrich student with the knowledge of industrial software and its application in various domains covering several modules falling under the umbrella of Revit Architecture and Structure.

**Outcome:**

The participants have acquired knowledge of Revit Architecture and Structure its uses. The software fulfills the basic requirement for a civil engineering career.

Certificates were distributed to the participants who have attended minimum 80% of the sessions.

  
PRINCIPAL  
SIET., TUMAKURU.

  
(Dr. G Mahesh Kumar)  
**HOD**  
Dept. of Civil Engineering  
SIET, TUMKUR - 6.



Date: 03-04-2021

**REPORT ON SOFTWARE PROGRAMS IN CIVIL ENGINEERING**

**Name of the software program:** SAFE

**No. of Resource Persons:** 1

**Program duration:** 1<sup>st</sup> April 2021 to 30<sup>th</sup> April 2021

**No. of Participants:** 39

**Program Coordinator:** Mr. Manogna H N, Assistant Professor, CED, SIET

**Resource Person:** Mr. Paramesha T B, Trainee Engineer, CAD Desk, Tumakuru.

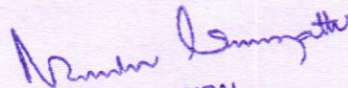
**Objective:**

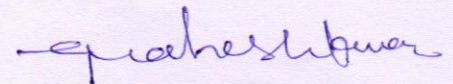
The objective of this program is to enrich student with the knowledge of industrial software and its application in various domains covering several modules falling under the umbrella of SAFE.

**Outcome:**

The participants have acquired knowledge of SAFE its uses. The software fulfills the basic requirement for a civil engineering career.

Certificates were distributed to the participants who have attended minimum 80% of the sessions.

  
PRINCIPAL  
SIET., TUMAKURU.

  
(Dr. G Mahesh Kumar)  
**HOD**  
Dept. of Civil Engineering  
SIET, TUMKUR - 6.





SHRIDEVI  
EDUCATION

Sri Shridevi Charitable Trust (R.)

**SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY**

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

Sira Road, Tumakuru - 572 106. Karnataka.



FS 543667

An ISO 9001:2015 Certified Institution

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

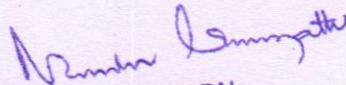
DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

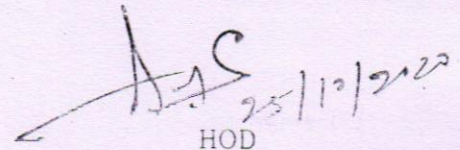
Date: 25/10/2020

## 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

  
PRINCIPAL  
SIET, TUMAKURU.

  
HOD  
Dept. of ECE  
SIET, TUMAKURU

HOD  
Dept of E&C  
SIET, Tumkur-6





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

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 22 November 2020" for 5th semester Electronics & communication engineering students.

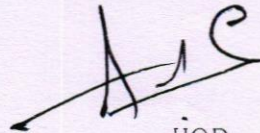
Kindly consider the above request and approve the same for further proceedings.

Thanking you

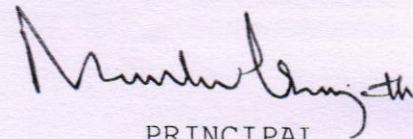
Date: 25/10/2020

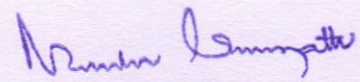
Place: SIET, Tumakuru.

  
Coordinator

  
HOD  
Dept. of ECE  
SIET, TUMAKURU

HOD  
Dept of E&C  
SIET, Tumkur-6

  
PRINCIPAL  
SIET, TUMAKURU

  
PRINCIPAL  
SIET., TUMAKURU.




## Curriculum for Industrial Automation Course

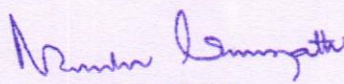
- Introduction, History & Need of Automation.
  - Factory & process automation.
  - Introduction to components of automation and PLC.
  - Input devices like Proximity sensors, Limit switches, Push button and lamps,
  - Ultra sonic sensors, Optical sensors, Encoder.
- 
- Diffusion beam sensors, through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

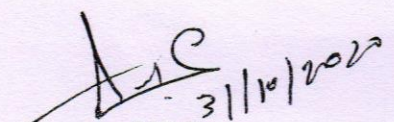
**Assessment:** Students should obtain

Min 80% of attendance

Min 80% Participation in practice session

  
Coordinator

  
PRINCIPAL  
SIET., TUMAKURU.

  
HOD  
HOD  
Dept of E&C  
SIET, Tumkur-5



DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

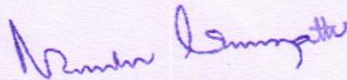
Date: 13/9/2020

Circular

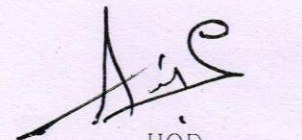
It is hereby informed to all 5th semester students that the "NPL USING PYTHON"- training course from "21st September 2020 to 27th September 2020" will be conducted all students are informed to attend the training course without fail.



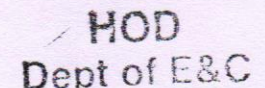
Coordinator



PRINCIPAL  
SIET., TUMAKURU.



HOD  
Dept. of ECE  
SIET, TUMAKURU



HOD  
Dept of E&C  
SIET, Tumkur-6



Ref: SIET/EC/2020-21 /01

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

**APPROVAL LETTER**

To,  
The Principal,  
SIET, Tumakuru

Respected Sir,

Subject: - Approval for Organizing Students Training Program on "NPL USING PYTHON"-Reg.

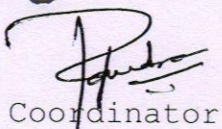
With reference to the subject cited above, I would like to bring to your kind notice that, the Department is planned to organize Student Training Program on "NPL USING PYTHON"- from "21st September 2020 to 27th September 2020" for 5th semester Electronics & communication engineering students.

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

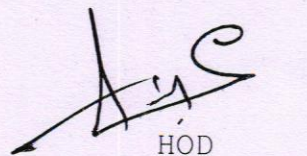
Thanking you

Date: 13/9/2020

Place: SIET, Tumakuru.

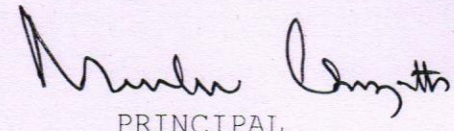


Coordinator

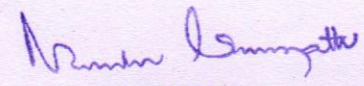


HOD  
Dept. of ECE  
SIET, TUMAKURU

HOD  
Dept of E&C  
SIET, Tumkur-6



PRINCIPAL  
SIET, TUMAKURU



PRINCIPAL  
SIET., TUMAKURU.





## SYLLABUS FOR VALUE ADDED COURSE ON “NPL USING PYTHON”

### *Topics*

#### **Introduction and Overview**

what is Natural Language Processing, hands-on demonstrations. Ambiguity and uncertainty in language..

#### **Regular Expressions**

Chomsky hierarchy, regular languages, and their limitations. Finite-state automata. Practical regular expressions for finding and counting language phenomena..

#### **Programming in Python**

An introduction to programming in Python. Why Python? Variables, numbers, strings, arrays, dictionaries, conditionals, iteration. The NLTK (Natural Language Toolkit), with demonstrations.

#### **String Edit Distance and Alignment**

Key algorithmic tool: dynamic programming, first a simple example, then its use in optimal alignment of sequences. String edit operations, edit distance, and examples of use in spelling correction, and machine translation.

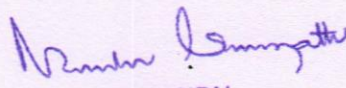
#### **Assessment:**

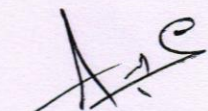
##### **Students should obtain:**

Min 80% of attendance

Min 80% Participation in practice session

  
Coordinator

  
PRINCIPAL  
SIET., TUMAKURU.

  
HOD  
HOD  
Dept of E&C  
SIET, Tumkur-8





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

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

Sira Road, Tumakuru - 572 106. Karnataka.

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



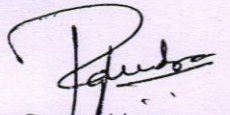
An ISO 9001:2015 Certified Institution

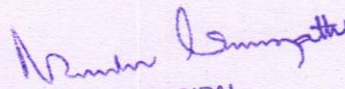
DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

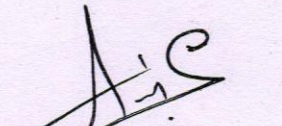
Date: 8/2/2021

Circular

It is hereby informed to all 6th semester students that the "UNIX/LINUX OS ESSENTIALS" training course from "15th Feb 2021 to 20th Feb 2021" will be conducted all students are informed to attend the training course without fail.

  
Coordinator

  
PRINCIPAL  
SIET., TUMAKURU.

  
HOD  
Dept. of ECE  
SIET, TUMAKURU

HOD  
Dept of E&C  
SIET, Tumkur-6



Ref: SIET/EC/2020-21 /02

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

**APPROVAL LETTER**

To,  
The Principal,  
SIET, Tumakuru

Respected Sir,

Sub: - Approval for Organizing Students Training Program on "UNIX/LINUX OS ESSENTIALS"-Reg.

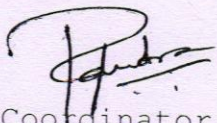
With reference to the subject cited above, I would like to bring to your kind notice that, the Department is planned to organize Student Training Program on "UNIX/LINUX OS ESSENTIALS"- from "15th Feb 2021 to 20th Feb 2021" for 6th semester Electronics & communication engineering students.

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

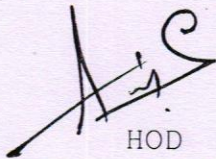
Thanking you

Date: 8/2/2021

Place: SIET, Tumakuru.

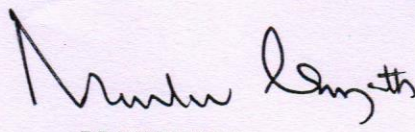


Coordinator

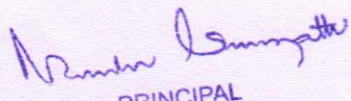


HOD  
Dept. of ECE  
SIET, TUMAKURU

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**

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

Sira Road, Tumakuru - 572 106. Karnataka.

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



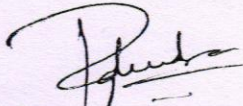
An ISO 9001:2015 Certified Institute

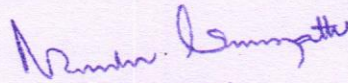
DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

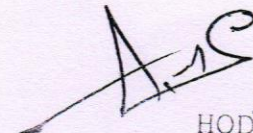
Date: 20/02/2021

Circular

It is hereby informed to all 6th semester students that the "ROBOTIC training course from "27th February 2021 to 18th April 2021" will conducted all students are informed to attend the training course witho fail.

  
Coordinator

  
PRINCIPAL  
SIET., TUMAKURU.

  
20/02/2021  
HOD  
Dept. of ECE  
SIET, TUMAKURU

HOD  
Dept of E&C  
SIET, Tumkur-6





SHRIDEVI  
EDUCATION

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

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

Sira Road, Tumakuru - 572 106. Karnataka.

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



An ISO 9001:2015 Certified Institution



FS 543667



Ref: SIET/EC/2020-21/2

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

APPROVAL LETTER

To,  
The Principal,  
SIET, Tumakuru

Respected Sir,

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

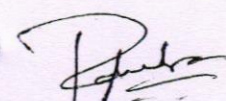
With reference to the subject cited above, I would like to bring to your kind notice that, the Department is planned to organize Student Training Program on "ROBOTICS" from "27th February 2021 to 18th April 2021" for 6 semester Electronics & communication engineering students.


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

Thanking you

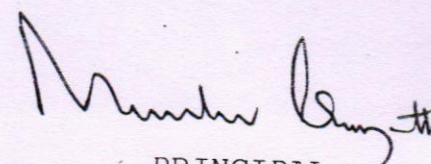
Date: 20/02/2021

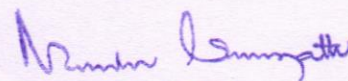
Place: SIET, Tumakuru.

  
Coordinator

  
HOD  
Dept. of ECE  
SIET, TUMAKURU

HOD  
Dept of E&C  
SIET, Tumkur-6

  
PRINCIPAL  
SIET, TUMAKURU

  
PRINCIPAL  
SIET, TUMAKURU.



## 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

*N. Srinivas*  
PRINCIPAL  
SIET, TUMAKURU.

25/02/2021  
*A. R. HOD*  
Dept of E&C  
SIET, Tumkur-6





# 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

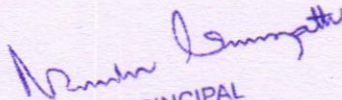


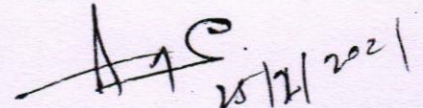
**Assessment:** Students should obtain

Min 80% of attendance

Min 80% Participation in practice session

  
Coordinator

  
PRINCIPAL  
SIET., TUMAKURU.

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





Date: 31-03-2021

**CIRCULAR**

Department of Computer Science and Engineering is organizing 4 weeks Certification course on "Digital Marketing"

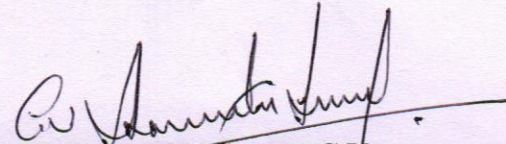
All course registered students of Computer science are hereby informed to attend the course as per the schedule below:

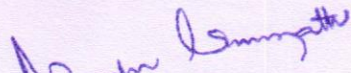
Course Name	Duration
Digital Marketing	1 <sup>st</sup> May 2021 to 30 <sup>th</sup> May 2021

**Venue:**

CSE Seminar Hall, Time: 5:00pm to 6:30pm

  
Staff Incharge

  
Prof. Shanmukha Swamy C V  
(HOD)  
H.O.D.,  
COMPUTER SCIENCE & ENGG.,  
SIET, TUMAKURU-06.

  
PRINCIPAL  
SIET., TUMAKURU.



On Week-2 following topics are covered

Duration	Time	Topics
Week 2	5:00 to 6:30 PM	4) Search Engine Marketing (SEM) 5) Social Media Marketing 6) Content Strategy

On Week-3 following topics are covered

Duration	Time	Topics
Week 3	5:00 to 6:30 PM	7) Web Analytics 8) Email Marketing

On Week-4 following topics are covered

Duration	Time	Topics
Week 4	5:00 to 6:30 PM	9) E-commerce 10) Internet Marketing





SHRIDEVI INSTITUTE OF ENGINEERING AND TECHNOLOGY-TUMKUR-06  
(An ISO 9001-2008 Certified Institution)  
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING



**Report on** : 4 Weeks Short term certification course on "**Digital Marketing**"  
**Conducted date** : 1<sup>st</sup> May to 30<sup>th</sup> May 2021  
**Venue** : Shridevi Institute of Engineering and Technology, Tumkur  
**Activity** : Short term certification course

**Description:**

A 4 weeks Short term certification course on "**Digital Marketing**" was conducted by CSE department, Tumakuru from 1<sup>st</sup> May to 30<sup>th</sup> May 2021 CSE students. The **objective and outcomes** of this course was

- 1) Constructing Brand Value and Awareness
- 2) Improve SEO Person Techniques
- 3) Increase the number of visitors

The Inauguration function for the workshop was held on 16<sup>th</sup> Feb at 9:00 AM in EDUSAT HALL SIET, Tumkur.

- Graced by :
- 1) Mr. M.S Patil, Director- HR and IT, SCT, Tumkur
  - 2) Dr. Narendar Viswanath, Principal, SIET
  - 3) Mr. Kiran G M, Assistant Prof, Dept of CSE, SIET
  - 4) Prof. Shanmuka Swamy, Assoct Prof and Head, Dept of CSE, SIET

Welcome speech by: Prof. Shanmuka Swamy, Assoct Prof and Head, Dept of CSE, SIET

In the key note address Mr. Kiran G M congratulated the participants and organizers for taking the initiative and organizing short term certification course on "**Digital Marketing**". He expressed his gratitude to Management, Principal and Dept of CSE for providing opportunity to share the knowledge with the students.

**On Week-1** following topics are covered

Duration	Time	Topics
Week 1	5:00 to 6:30 PM	1) Introduction to Digital Marketing 2) Planning and Creating a Website 3) Search Engine Optimisation (SEO)

*Narendar Viswanath*  
PRINCIPAL  
SIET., TUMAKURU.



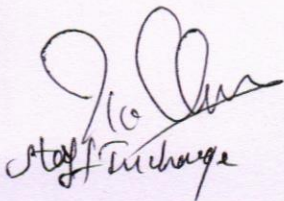
## Curriculum for Digital Marketing Course

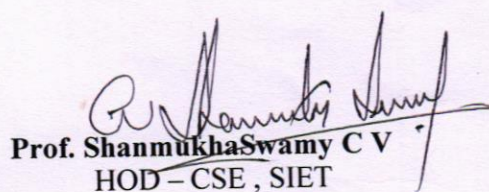
Content	Duration
<b>1) Introduction to Digital Marketing</b>	36 hours
➤ Types of Digital Marketing	
➤ Trends & Scenarios of the Digital Marketing Industry	
<b>2) Planning and Creating a Website</b>	
➤ Brand awareness, credibility, and delivery among consumers	
➤ WordPress	
➤ Practical demonstration on how to create a website	
➤ Adding content, installing and activating plugins	
➤ How to incorporate design and other elements into the website	
<b>3) Search Engine Optimisation (SEO)</b>	
➤ What is SEO?	
➤ History & Growth of SEO	
➤ On-page Optimization	
➤ Off-page Optimization	
➤ Keywords	
➤ Google Adwords	
<b>4) Search Engine Marketing (SEM)</b>	
➤ Introduction to SEM	
➤ Campaign Creation	
➤ Google Adwords	
➤ Ad Creation, Approval & Extensions	
<b>5) Social Media Marketing</b>	
➤ Definition of Social Media Marketing & Social Media	
➤ Blogging	
➤ Social Networking	
➤ Video Creation & Sharing	
➤ Use of Different Social Media Platforms	Content Creation

### Assessment: -

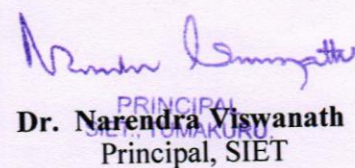
Minimum 80% attendance

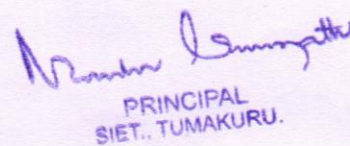
Minimum 80% Participation in Hands-On training

  
Staff Incharge

  
Prof. Shanmukha Swamy CV  
HOD - CSE, SIET

HOD,  
COMPUTER SCIENCE & ENGG.,  
SIET, TUMAKURU-08.

  
Dr. Narendra Viswanath  
Principal, SIET

  
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



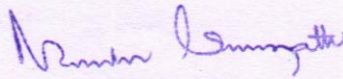
DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

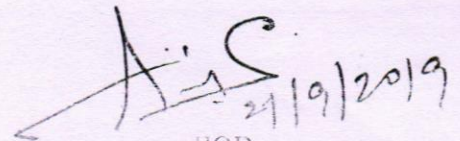
Date: 21/9/2019

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

  
PRINCIPAL  
SIET, TUMAKURU.

  
21/9/2019  
HOD  
Dept. of ECE  
SIET, TUMAKURU  
HOD  
Dept. of E&C  
SIET, Tumkur-6





SHRIDEVI  
EDUCATION

Sri Shridevi Charitable Trust (R.)

**SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY**

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

Sira Road, Tumakuru - 572 106. Karnataka.



An ISO 9001:2015 Certified Institution

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

Ref: SIET/EC/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"-Req.

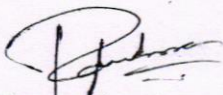
With reference to the subject cited above, I would like to bring to your kind notice that, the Department is planned to organize Student Training Program on "FPGA BASED VLSI DESIGN" from "28th September 2019 to 20th October 2019" for 7th semester Electronics & communication engineering students.

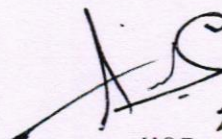
Kindly consider the above request and approve the same for further proceedings.

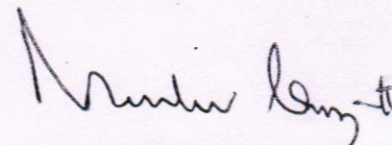
Thanking you

Date: 21/9/2019

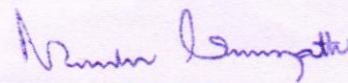
Place: SIET, Tumakuru.

  
Coordinator

  
24/9/2019  
HOD  
Dept. of ECE  
SIET, TUMAKURU

  
PRINCIPAL  
SIET, TUMAKURU

HOD  
Dept of E&C  
SIET, Tumkur-6

  
PRINCIPAL  
SIET, TUMAKURU.





## 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

*Principal Signature*  
PRINCIPAL  
SIET, TUMAKURU.

*Signature*  
28/9/2019

HOD  
Dept of E&C  
SIET, Tumkur-6



- Programmable Interconnects
- Architectural Resources
- Power Distribution and Configuration

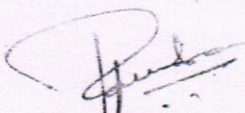
Assignments

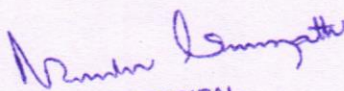
- Lab experiments on design tools, netlist, simulation
- Downloading codes on Chip board – FPGA-CPLD
- Writing applications for interfacing modules.

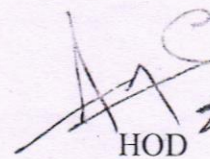
**Assessment:** Students should obtain

Min 80% of attendance

Min 80% Participation in practice session

  
Coordinator

  
PRINCIPAL  
SIET., TUMAKURU.

 28/9/2019  
HOD

HOD  
Dept of E&C  
SIET, Tumkur.  
SIET, Tumkur.



DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

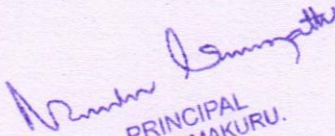
Date: 10/10/2019

Circular

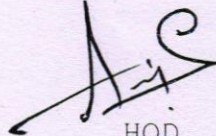
It is hereby informed to all 7th semester students that the "ARM Processors" training course from "18th November 2019 to 24th November 2019" will be conducted all students are informed to attend the training course without fail.



Coordinator



PRINCIPAL  
SIET, TUMAKURU.



HOD  
Dept. of ECE  
SIET, TUMAKURU

HOD  
Dept of E&C  
SIET, Tumkur-6



Ref: SIET/EC/2019-20/01

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

APPROVAL LETTER

To,  
The Principal,  
SIET, Tumakuru

Respected Sir,

Subject: - Approval for Organizing Students Training Program on "ARM Processors"-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 "ARM Processors" from "18th November 2019 to 24th November 2019" for 7th semester Electronics & communication engineering students.

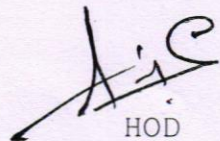
Kindly consider the above request and approve the same for further proceedings.

Thanking you

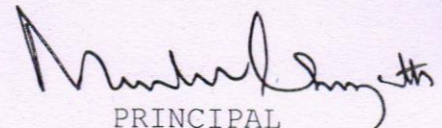
Date: 10/10/2019

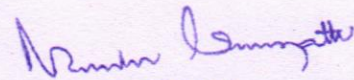
Place: SIET, Tumakuru.

  
Coordinator

  
HOD  
Dept. of ECE  
SIET, TUMAKURU

HOD  
Dept of E&C  
SIET, Tumkur-6

  
PRINCIPAL  
SIET, TUMAKURU

  
PRINCIPAL  
SIET., TUMAKURU.





## VALUE ADDED COURSE ON “ARM PROCESSORS “

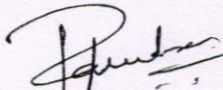
### Syllabus

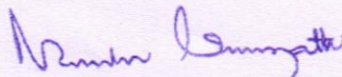
- 1: ARM Embedded Systems and ARM Processor Fundamentals
- 2: ARM Instruction Set Duration
- 3: Introduction to THUMB and ARM Programming Duration
- 4: Exception and Interrupt handling schemes
- 5: LPC2148 ARM CPU.
- 6: LPC 2148 – Peripherals

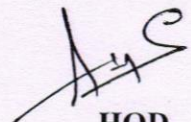
#### Assessment:

#### 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.





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 CIVIL ENGINEERING**

Date: 27-01-2020

**CIRCULAR**

Department of Civil Engineering, SIET in association with CASD DESK, Tumkur is conducting software programmes related to Civil Engineering.

All students of Civil Engineering are hereby informed to attend as per the schedule below:

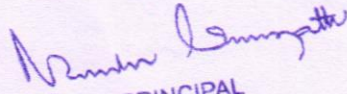
Sem	Software Name	Duration
IV	Google Sketchup	1 <sup>st</sup> Feb 2020 to 10 <sup>th</sup> March 2020
VI	Revit Architecture and Structure	1 <sup>st</sup> Feb 2020 to 10 <sup>th</sup> March 2020
VIII	SAFE	1 <sup>st</sup> Feb 2020 to 10 <sup>th</sup> March 2020

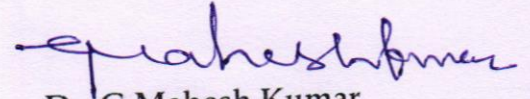
**Venue:**

IV SEM: CivilCAD LAB, Time: 4:30pm to 6:00pm

VI SEM: MechanicalCAD LAB, Time: 4:30pm to 6:00pm

IV SEM: CS LAB, Time: 4:30pm to 6:00pm

  
PRINCIPAL  
SIET., TUMAKURU.

  
Dr. G Mahesh Kumar  
(HOD)  
**HOD**  
Dept. of Civil Engineering  
SIET, TUMKUR - 6.



Date: 11-03-2020

**REPORT ON SOFTWARE PROGRAMS IN CIVIL ENGINEERING**

**Name of the software program:** Google sketchup

**No. of Resource Persons:** 1

**Program duration:** 1<sup>st</sup> Feb 2020 to 10<sup>th</sup> March 2020

**No. of Participants:** 40

**Program Coordinator:** Dr. C Nagaraja, Professor, CED, SIET

**Resource Person:** Mr. Tejus M, Center Head, CAD Desk , Tumakuru.

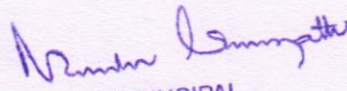
**Objective:**

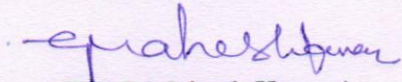
The objective of this program is to enrich student with the knowledge of industrial software and its application in various domains covering several modules falling under the umbrella of Google sketchup.

**Outcome:**

The participants have acquired knowledge of Google sketchup its uses. The software fulfills the basic requirement for a civil engineering career.

Certificates were distributed to the participants who have attended minimum 80% of the sessions.

  
PRINCIPAL  
SIET., TUMAKURU.

  
(Dr. G Mahesh Kumar)  
HOD  
Dept. of Civil Engineering  
SIET, TUMKUR - 6.



Date: 11-03-2020

**REPORT ON SOFTWARE PROGRAMS IN CIVIL ENGINEERING**

**Name of the software program:** Revit Architecture and Structure

**No. of Resource Persons:** 1

**Program duration:** 1<sup>st</sup> Feb 2020 to 10<sup>th</sup> March 2020

**No. of Participants:** 40

**Program Coordinator:** Mr. Prakash J, Assistant Professor, CED, SIET

**Resource Person:** Mrs. RadikaT N, Trainee Engineer, CAD Desk , Tumakuru.

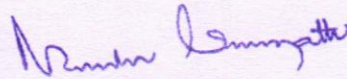
**Objective:**

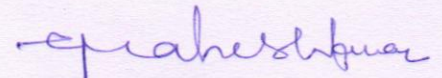
The objective of this program is to enrich student with the knowledge of industrial software and its application in various domains covering several modules falling under the umbrella of Revit Architecture and Structure.

**Outcome:**

The participants have acquired knowledge of Revit Architecture and Structure its uses. The software fulfills the basic requirement for a civil engineering career.

Certificates were distributed to the participants who have attended minimum 80% of the sessions.

  
PRINCIPAL  
SIET., TUMAKURU.

  
(Dr. G Mahesh Kumar)  
HOD  
Dept. of Civil Engineering  
SIET, TUMKUR - 6.



Date: 11-03-2020

REPORT ON SOFTWARE PROGRAMS IN CIVIL ENGINEERING

Name of the software program: SAFE

No. of Resource Persons: 1

Program duration: 1<sup>st</sup> Feb 2020 to 10<sup>th</sup> March 2020

No. of Participants: 09

Program Coordinator: Mr. Manogna H N, Assistant Professor, CED, SIET

Resource Person: Mr. Paramesha T B, Trainee Engineer, CAD Desk, Tumakuru.

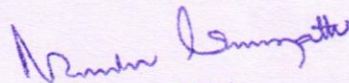
Objective:

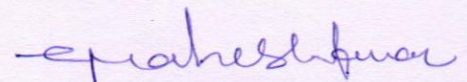
The objective of this program is to enrich student with the knowledge of industrial software and its application in various domains covering several modules falling under the umbrella of SAFE.

Outcome:

The participants have acquired knowledge of SAFE its uses. The software fulfills the basic requirement for a civil engineering career.

Certificates were distributed to the participants who have attended minimum 80% of the sessions.

  
PRINCIPAL  
SIET., TUMAKURU.

  
(Dr. G Mahesh Kumar)  
HOD  
HOD  
Dept. of Civil Engineering  
SIET, TUMKUR - 6.





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 COMPUTER SCIENCE AND ENGINEERING**

Date: 30-01-2020

**CIRCULAR**

Department of Computer Science and Engineering is organizing a 6 days Certification course on "DevOps"

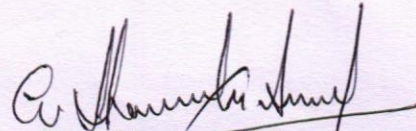
All course registered students of Computer science are hereby informed to attend the course as per the schedule below:

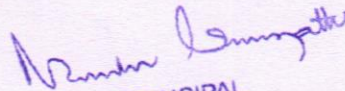
Course Name	Duration
DevOps	1 <sup>st</sup> Feb 2020 to 16th Feb 2020 (Weekends)

**Venue:**

CSE Seminar Hall, Time: 9:00am to 5:00pm

  
Staff Incharge

  
Prof. ShanmukhaSwamy C V  
(HOD)  
HOD,  
COMPUTER SCIENCE & ENGG.,  
SIET, TUMAKURU-06.

  
PRINCIPAL  
SIET., TUMAKURU.



## Curriculum for DevOps Course

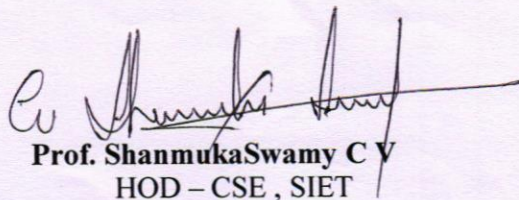
Contents	Duration
Introduction to DevOps	12 hours
<ul style="list-style-type: none"><li>➤ DevOps Principles in detail</li><li>➤ DevOps Engineer Skills in the market</li><li>➤ Knowing DevOps Delivery Pipeline</li><li>➤ Market trend of DevOps</li><li>➤ DevOps Technical Challenges</li><li>➤ Tools we use in DevOps</li></ul>	
DevOps on Cloud	10 hours
<ul style="list-style-type: none"><li>➤ Essentials of Cloud computing?</li><li>➤ Cloud and virtualization architecture</li><li>➤ Cloud deployment architecture</li><li>➤ Cloud providers – An overview</li><li>➤ Why we need DevOps on Cloud?</li></ul>	
GIT – A Version controlling tool	16 hours
<ul style="list-style-type: none"><li>➤ Knowing about Version control</li><li>➤ Git – A CLI</li><li>➤ Essentials of GIT in industry</li><li>➤ How to setup GIT</li><li>➤ Installing Git</li><li>➤ First-Time Git Setup</li><li>➤ Getting a Git Repository</li><li>➤ Working with various commands in GIT</li><li>➤ Recording Changes to the Repository</li></ul>	

### Assessment: -

Minimum 80% attendance

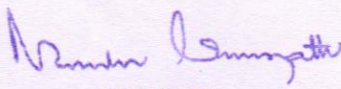
Minimum 80% Participation in Hands-On training

Staff H/c



**Prof. Shanmuka Swamy C V**  
HOD – CSE, SIET

**HOD,**  
**COMPUTER SCIENCE & ENGG.,**  
**SIET, TUMAKURU-06.**



**Dr. Narendra Viswanath**  
Principal, SIET





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>

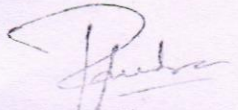


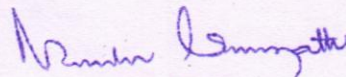
DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

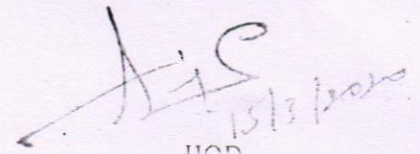
Date: 15/3/2020

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

  
PRINCIPAL  
SIET., TUMAKURU.

  
HOD  
Dept. of ECE  
SIET, TUMAKURU

HOD  
Dept of E&C  
SIET, Tumkur-6



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"-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 "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.

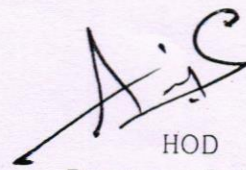
Thanking you

Date: 15/3/2020

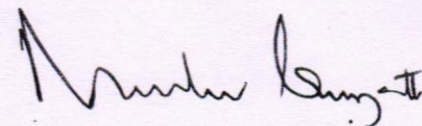
Place: SIET, Tumakuru.



Coordinator

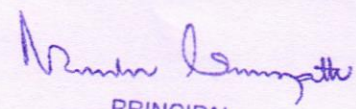


HOD  
Dept. of ECE  
SIET, TUMAKURU



PRINCIPAL  
SIET, TUMAKURU

HOD  
Dept of E&C  
SIET, Tumkur-6



PRINCIPAL  
SIET, TUMAKURU.





## 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

*Principals Signature*  
PRINCIPAL  
SIET., TUMAKURU.

*AAC*  
21/3/2020  
HOD  
Dept of E&C  
SIET, Tumkur-6



- How to fix timing failure

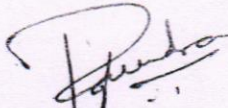
CMOS Fundamentals

- 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

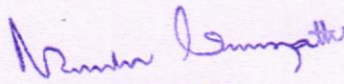
**Assessment:** Students should obtain

Min 80% of attendance

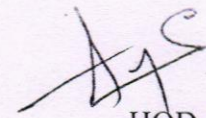
Min 80% Participation in practice session



Coordinator



PRINCIPAL  
SIET., TUMAKURU.



HOD  
21/3/2020  
HOD  
Dept of E&C  
SIET, Tumkur-6





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




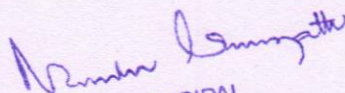
DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING


Date: 11/5/2020

Circular

It is hereby informed to all 8th semester students that the "Network and Security Administration" training course from "18th May 2020 to 24th May 2020" will be conducted all students are informed to attend the training course without fail.

  
Coordinator

  
PRINCIPAL  
SIET, TUMAKURU.

  
HOD  
Dept. of ECE  
SIET, TUMAKURU

HOD  
Dept of E&C  
SIET, Tumkur-6



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 "Network and Security Administration"-Reg.

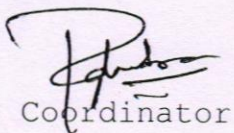
With reference to the subject cited above, I would like to bring to your kind notice that, the Department is planned to organize Student Training Program on "Network and Security Administration" from "18th May 2020 to 24th May 2020 " for 8th semester Electronics & communication engineering students.

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

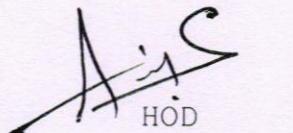
Thanking you

Date: 11/5/2020

Place: SIET, Tumakuru.

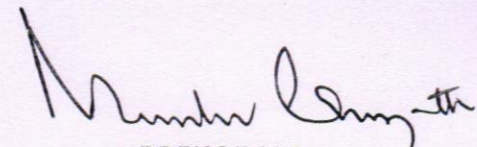


Coordinator

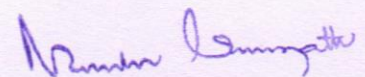


HOD  
Dept. of ECE  
SIET, TUMAKURU

HOD  
Dept of E&C  
SIET, Tumkur-6



PRINCIPAL  
SIET, TUMAKURU



PRINCIPAL  
SIET., TUMAKURU.





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

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)

**VALUE ADDED COURSE ON “NETWORK AND SECURITY ADMINISTRATION “**

**Syllabus**

- I. Introduction- Need for Security, Security Attacks, Model
- II. Symmetric Ciphers-Substitution & Transposition Techniques, Block Cipher, Stream Ciphers
- III. Public Key Cryptography- Need and Principles of Public Key Cryptosystems, RSA Algorithm
- IV. Authentication- Authentication Requirements, Message Authentication Codes, Hashes, User Authentication: Password, Certificate based & Biometric Authentication
- V. Network Security- Firewalls, IP Security, VPN, Intrusion Detection, Web Security, SSL, TLS

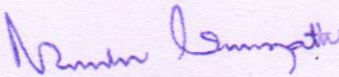
**Assessment:**

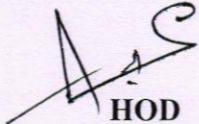
**Students should obtain:**

Min 80% of attendance

Min 80% Participation in practice session

  
Coordinator

  
PRINCIPAL  
SIET, TUMAKURU.

  
HOD  
HOD  
Dept of E&C  
SIET, Tumkur-0,





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

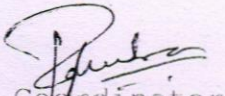
Phone: 0816-2212629 | Fax: 0816-2212628 | Email: info@shrideviengineering.org | Web: http://www.shrideviengineering.org

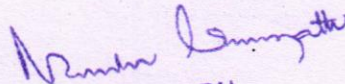
DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

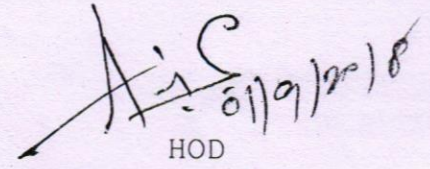
Date: 01/9/2018

## 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 to avoid fail.

  
Coordinator

  
PRINCIPAL  
SIET, TUMAKURU.

  
HOD

Dept. of ECE  
SIET, TUMAKURU

HOD  
Dept of E&C  
SIET, Tumkur-6





SHRIDEVI  
EDUCATION

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

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

Sira Road, Tumakuru - 572 106, Karnataka.

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.

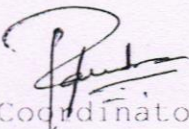
With reference to the subject cited above, I would like to bring to your kind notice that, the Department is planned to organize Student Training Program on "ANTENNA DESIGN" from "8th September 2018 to 30th September 2018" for 7th semester Electronics & communication engineering students.


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

Thanking you

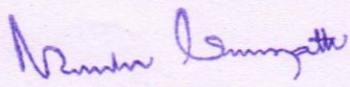
Date: 01/9/2018

Place: SIET, Tumakuru.

  
Coordinator

  
HOD  
Dept. of ECE  
SIET, TUMAKURU

HOD  
Dept of E&C  
SIET, Tumkur-6

  
PRINCIPAL  
SIET, TUMAKURU





## 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.

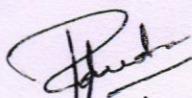
### Applications

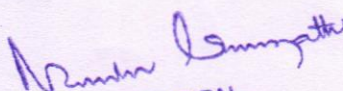
- 3D antenna design analysis of horns, micro strip patches, wire antennas, reflector antennas, conformal antennas, broadband antennas, arrays
- Antenna placement analysis of antenna radiation patterns, radiation hazard zones, etc. with an antenna placed on a large structure, e.g. ship, aircraft, armored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

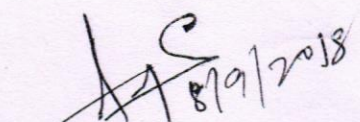
**Assessment:** Students should obtain

Min 80% of attendance

Min 80% Participation in practice session

  
Coordinator

  
PRINCIPAL  
SIET., TUMAKURU.

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

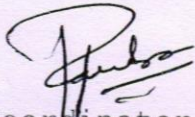


DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

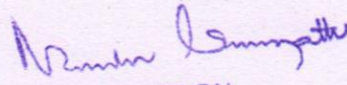
Date: 12/11/2018

Circular

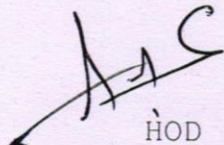
It is hereby informed to all 7th semester students that the Real Time operating Systems training course from "19/11/2018 to 25/05/2018" will be conducted all students are informed to attend the training course without fail.



Coordinator



PRINCIPAL  
SIET., TUMAKURU.



HOD  
Dept. of ECE  
SIET, TUMAKURU

HOD  
Dept of E&C  
SIET, Tumkur-6



Ref: SIET/EC/2018-19/01

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

**APPROVAL LETTER**

To,  
The Principal,  
SIET, Tumakuru

Respected Sir,

Subject: - Approval for Organizing Students Training Program on "Real Time operating Systems"-Reg.

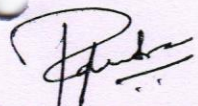
With reference to the subject cited above, I would like to bring to your kind notice that, the Department is planned to organize Student Training Program on "Real Time operating Systems" from "19/11/2018 to 25/05/2018" for 7th semester Electronics & communication engineering students.

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

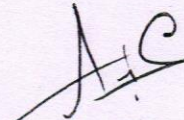
Thanking you

Date: 10/11/2018

Place: SIET, Tumakuru.

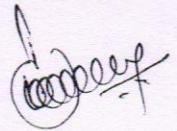


Coordinator

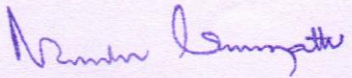


HOD  
Dept. of ECE  
SIET, TUMAKURU

HOD  
Dept of E&C  
SIET, Tumkur-6



PRINCIPAL  
SIET, TUMAKURU



PRINCIPAL  
SIET., TUMAKURU.





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

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)



## VALUE ADDED COURSE ON “REAL TIME OPERATING SYSTEMS “

### Syllabus

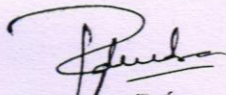
- 1 : Introduction-RTOS
- 2 : Basics of Task scheduling
- 3 : Cyclic executives
- 4 : Cyclic Scheduler
- 5 : Cyclic Scheduler

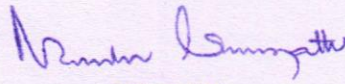
#### Assessment:

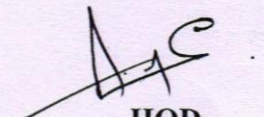
#### Students should obtain:

Min 80% of attendance

Min 80% Participation in practice session

  
Coordinator

  
PRINCIPAL  
SIET., TUMAKURU.

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





**DEPARTMENT OF CIVIL ENGINEERING**

Date: 11-02-2019

**CIRCULAR**

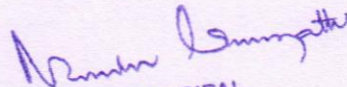
Department of Civil Engineering, SIET in association with CASD DESK, Tumkur is conducting software programmes related to Civil Engineering.

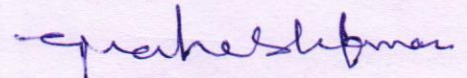
All students of Civil Engineering are hereby informed to attend the as per the schedule below:

Sem	Software Name	Duration
IV	Google Sketchup	15 <sup>th</sup> Feb 2019 to 15 <sup>th</sup> March 2019
VI	Revit Architecture and Structure	15 <sup>th</sup> Feb 2019 to 15 <sup>th</sup> March 2019
VIII	SAFE	15 <sup>th</sup> Feb 2019 to 15 <sup>th</sup> March 2019

**Venue:**

- IV SEM: CivilCAD LAB, Time: 4:30pm to 6:00pm
- VI SEM: MechanicalCAD LAB, Time: 4:30pm to 6:00pm
- IV SEM: CS LAB, Time: 4:30pm to 6:00pm

  
PRINCIPAL  
SIET., TUMAKURU.

  
Dr. G Mahesh Kumar  
(HOD)  
HOD  
Dept. of Civil Engineering  
SIET, TUMKUR - 6.



Date: 01-02-2019

## Curriculum for Software Programs in Civil Engineering

**Program Name:** Google SketchUp

**Duration:** 30Hr

### Overview

The course will provides an overview of all of the essential SketchUp skills needed for general modelling for a civil engineer. SketchUp is one of the easiest 3D tools to use but it has many features. The course will be in one month format to provide training on software and time to practice for all participants.

### Syllabus

#### The Basics

Opening SketchUp  
SketchUp Screen  
Toolbars  
Viewing Tools  
Shortcut Keys

#### Manipulation Tools

Select  
Eraser  
Tape Measure  
Protractor  
Move and Copy  
Rotate and Copy  
Scale  
Offset  
Axes  
Displaying and Smoothing Edges

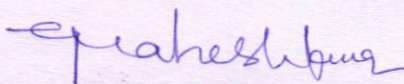
#### Drawing Tools (Line, Rectangle, Square, Push/Pull, Circle, Polygon, Arc)

Painting, Materials, and Textures  
Applying Materials.  
Editing Materials  
Using Images as Textures  
Material Collections  
Material Translucency  
Materials of Groups and Component

#### Assessment:

##### Students should obtain:

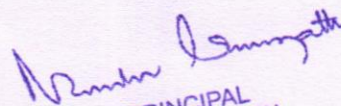
Min 80% of attendance  
Min 80% Participation in practice session



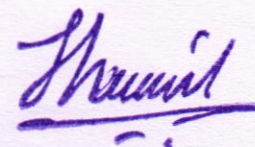
(Dr. G Mahesh Kumar)

**HOD**

Dept. of Civil Engineering  
SIET, TUMKUR - 6.



PRINCIPAL  
SIET., TUMAKURU.



(Dr Hemadri Naidu)

**Principal**  
**PRINCIPAL**

SHRIDEVI INSTITUTE OF  
ENGINEERING & TECHNOLOGY  
TUMKUR - 572106.



Date: 01-02-2019

## Curriculum for Software Programs in Civil Engineering

**Program Name:** Revit Architecture and structure

**Duration:** 30Hr

### Overview

This software helps architecture, engineering and construction of high-quality buildings and infrastructure form a civil engineer. The Revit work environment allows users to manipulate whole buildings or assemblies (in the project environment) or individual 3D shapes (in the family editor environment).

### Syllabus

#### Basics

Sketching and Modify Tools  
Using General Sketching Tools  
Editing Elements  
Working with Basic Modify Tools  
Working with Additional Modify Tools

#### Setting Up Levels and Grids

Setting Up Levels  
Creating Structural Grids  
Adding Columns  
Linking and Importing CAD Files  
Manipulation Tools

#### Modeling Walls

Modeling Walls, Modifying Walls

#### Working with Doors and Windows

Inserting Doors and Windows • Loading Door and Window Types from the Library • Creating Additional Door and Window Sizes

#### Modeling Floors

Modeling Floors • Creating Shaft Openings

#### Modeling Stairs, Railings, and Ramps

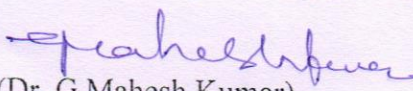
Creating Component Stairs • Modifying Component Stairs • Working with Railings • Creating Ramps

#### Assessment:

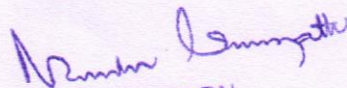
Students should obtain:

Min 80% of attendance

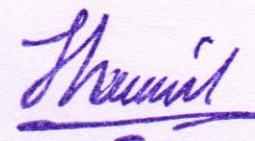
Min 80% Participation in practice session

  
(Dr. G Mahesh Kumar)

**HOD**  
Dept. of Civil Engineering  
SIET, TUMKUR - 6.



PRINCIPAL  
SIET, TUMKUR



(Dr Hemadri Naidu)

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



Date: 01-02-2019

## Curriculum for Software Programs in Civil Engineering

**Program Name: SAFE**

**Duration: 30Hr**

### Overview

SAFE is a software tailored for the engineering of elevated floor and foundation slab systems. Slab modeling, analysis, and design procedures feature a suite of sophisticated tools and applications, couple with post-tensioning, punching-shear, and beam detailing, and integrate the influence of soils, ramps, columns, braces, walls (rectilinear or curvilinear), and other interfacial elements. This course gives you a comprehensive knowledge in foundation design. All types of foundation systems including isolated footing, strip footing, combined footing, slab design, flat slab design are covered.

### Syllabus

#### The Basics

Opening SAFE  
SAFE Screen  
Toolbars  
Viewing Tools  
Shortcut Keys

#### DESIGN OF ISOLATED FOOTING

#### DESIGN OF COMBINED FOOTING

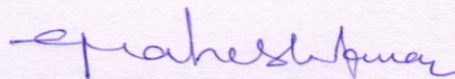
#### DESIGN OF SOLID SLAB

#### DESIGN OF FLAT SLABS

#### Assessment:

##### Students should obtain:

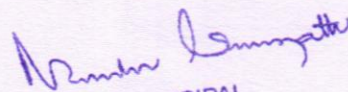
Min 80% of attendance  
Min 80% Participation in practice session



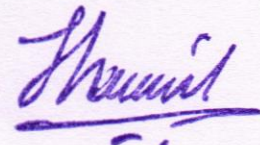
(Dr. G Mahesh Kumar)

**HOD**

Dept. of Civil Engineering  
SIET, TUMKUR - 6.



PRINCIPAL  
SIET., TUMAKURU.



(Dr Hemadri Naidu)

**Principal**

**PRINCIPAL**

SHRIDEVI INSTITUTE OF  
ENGINEERING & TECHNOLOGY  
TUMKUR - 572106.



Date: 16-03-2019

**REPORT ON SOFTWARE PROGRAMS IN CIVIL ENGINEERING**

**Name of the software program:** Google sketchup

**No. of Resource Persons:** 1

**Program duration:** 15/02/2019 to 15/03/2019

**No. of Participants:** 44

**Program Coordinator:** Dr. C Nagaraja, Professor, CED, SIET

**Resource Person:** Mr. Tejus M, Center Head, CAD Desk , Tumakuru.

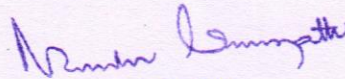
**Objective:**

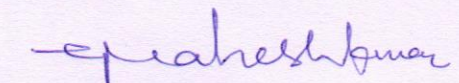
The objective of this program is to enrich student with the knowledge of industrial software and its application in various domains covering several modules falling under the umbrella of Google sketchup.

**Outcome:**

The participants have acquired knowledge of Google sketchup its uses. The software fulfills the basic requirement for a civil engineering career.

Certificates were distributed to the participants who have attended minimum 80% of the sessions.

  
PRINCIPAL  
SIET., TUMAKURU.

  
(Dr. G. Mahesh Kumar)  
HOD  
HOD  
Dept. of Civil Engineering  
SIET, TUMKUR - 6.



Date: 16-03-2019

## REPORT ON SOFTWARE PROGRAMS IN CIVIL ENGINEERING

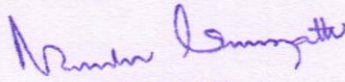
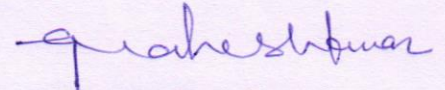
**Name of the software program:** Revit Architecture and Structure**No. of Resource Persons:** 1**Program duration:** 15/02/2019 to 15/03/2019**No. of Participants:** 9**Program Coordinator:** Mr. Prakash J, Assistant Professor, CED, SIET**Resource Person:** Mrs. Radika T N, Trainee Engineer, CAD Desk, Tumakuru.**Objective:**

The objective of this program is to enrich student with the knowledge of industrial software and its application in various domains covering several modules falling under the umbrella of Revit Architecture and Structure.

**Outcome:**

The participants have acquired knowledge of Revit Architecture and Structure its uses. The software fulfills the basic requirement for a civil engineering career.

Certificates were distributed to the participants who have attended minimum 80% of the sessions.

  
PRINCIPAL  
SIET., TUMAKURU.

(Dr. G Mahesh Kumar)

HOD  
HOD  
Dept. of Civil Engineering  
SIET, TUMKUR - 6.



Date: 16-03-2019

**REPORT ON SOFTWARE PROGRAMS IN CIVIL ENGINEERING**

**Name of the software program:** SAFE

**No. of Resource Persons:** 1

**Program duration:** 15/02/2019 to 15/03/2019

**No. of Participants:** 56

**Program Coordinator:** Mr. Manogna H N, Assistant Professor, CED, SIET

**Resource Person:** Mr. Paramesha T B, Trainee Engineer, CAD Desk, Tumakuru.

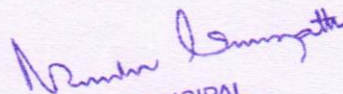
**Objective:**

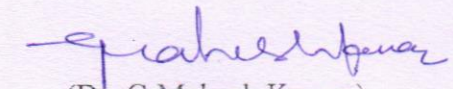
The objective of this program is to enrich student with the knowledge of industrial software and its application in various domains covering several modules falling under the umbrella of SAFE.

**Outcome:**

The participants have acquired knowledge of SAFE its uses. The software fulfills the basic requirement for a civil engineering career.

Certificates were distributed to the participants who have attended minimum 80% of the sessions.

  
PRINCIPAL  
SIET., TUMAKURU.

  
(Dr. G Mahesh Kumar)  
HOD  
HOD  
Dept. of Civil Engineering  
SIET, TUMKUR - 6.



Date: 09-02-2019

CIRCULAR


Department of Computer Science and Engineering is organizing 5 days Certification course on "Ethical Hacking"

All course registered students of Computer science are hereby informed to attend the course as per the schedule below:

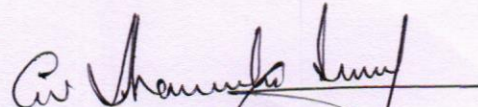
Course Name	Duration
Ethical Hacking	16 th Feb 2019 to 2 <sup>nd</sup> March 2019 (weekends)

**Venue:**

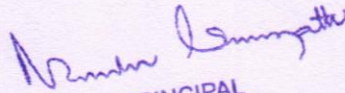
CSE Seminar Hall, Time: 9:00 am to 5:00pm



Staff Incharge



Prof. Shanmuka Swamy  
(HOD **CSE**)  
COMPUTER SCIENCE & ENGG.,  
SIET, TUMAKURU-06.



PRINCIPAL  
SIET., TUMAKURU.



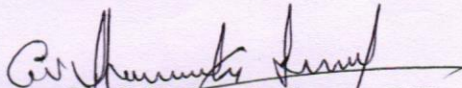
## 6 days Ethical Hacking Course Syllabus

Contents	Total Duration
➤ Cyber-Ethics Hacking Introduction	36 hours
➤ Information Gathering	
➤ Scanning	
➤ Google Hacking Database	
➤ Virus, Worms – Virus Analysis	
➤ Trojans and Backdoors	
➤ Sniffers and Keyloggers	
➤ Social Engineering	
➤ Email, DNS, IP Spoofing	
➤ System Hacking and Security	
➤ HoneyPots	

### Assessment: -

Minimum 80% attendance

Minimum 80% Participation in Hands-On training




**Prof. ShanmukaSwamy C V**  
HOD – CSE , SIET

**HOD,**  
**COMPUTER SCIENCE & ENGG.,**  
**SIET, TUMAKURU-06.**



**Dr. Hemadri Naidu**  
Principal, SIET  
PRINCIPAL  
SIET., TUMAKURU.



PRINCIPAL  
SIET., TUMAKURU.





SHRIDEVI INSTITUTE OF ENGINEERING AND TECHNOLOGY-TUMKUR-06  
(An ISO 9001-2008 Certified Institution)  
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING



Report on : 5 days Short term certification course on "Ethical Hacking"  
Conducted date : 16<sup>th</sup> Feb to 2<sup>nd</sup> March 2019 (Weekends)  
Venue : Shridevi Institute of Engineering and Technology, Tumkur  
Activity : Short term certification course

**Description:**

A 5 days Short term certification course on "Ethical Hacking" was conducted by CSE department, Tumakuru from 16<sup>th</sup> Feb to 2<sup>nd</sup> March 2019 (Weekends) for sCSE students. The **objective and outcomes** of this course was

- 1) Students will learn about web app security loopholes (vulnerabilities) and their exploitation techniques.
- 2) This course will also teach how a cyber criminal can take advantage of security vulnerabilities.

The Inauguration function for the workshop was held on 16<sup>th</sup> Feb at 9:00 AM in EDUSAT HALL SIET, Tumkur.

- Graced by :
- 1) Mr. M.S Patil, Director- HR and IT, SCT, Tumkur
  - 2) Dr. Hemadri Naidu T, Principal, SIET
  - 3) Mr. Nishan Albert Manoraj  
Senior software engineer, VMware Software India pvt Ltd
  - 4) Prof. Shanmuka Swamy, Assoct Prof and Head, Dept of CSE, SIET

Welcome speech by: Prof. Shanmuka Swamy, Assoct Prof and Head, Dept of CSE, SIET

In the key note address Mr. Nishan Albert Manoraj congratulated the participants and organizers for taking the initiative and organizing short term certification course on "Ethical Hacking". He expressed his gratitude to Management, Principal and Dept of CSE for providing opportunity to share the knowledge with the students.

On day-1 following topics are covered

Session Number	Date	and time	Topics
1	Day 1 (16-02-19)	9:00 AM to 1:00 AM	Cyber-Ethics Hacking Introduction
2		2:00 AM to 5:00 PM	Information Gathering

*Nishan Albert Manoraj*  
PRINCIPAL  
SIET., TUMAKURU.



On day-2 following topics are covered

Session Number	Date	Time	Topics
1	Day 2 (17-02-19)	9:00 AM to 1:00 AM	Scanning
2		2:00 AM to 5:00 PM	Google Hacking Database

On day-3 following topics are covered

Session Number	Date	and time	Topics
1	Day 3 (23-02-19)	9:00 AM to 1:00 AM	Virus, Worms – Virus Analysis
2		2:00 AM to 5:00 PM	Trojans and Backdoors

On day-4 following topics are covered

Session Number	Date	Time	Topics
1	Day 4 (24-03-19)	9:00 AM to 1:00 AM	Sniffers and Keyloggers
2		2:00 AM to 5:00 PM	Social Engineering

On day-5 following topics are covered

Session Number	Date	Time	Topics
1	Day 5 (2-03-19)	9:00 AM to 1:00 AM	Email, DNS, IP Spoofing
2		2:00 AM to 5:00 PM	System Hacking and Security

*Nandhu Sundararajan*  
 PRINCIPAL  
 SIET., TUMAKURU.





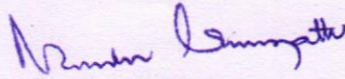
Date: 14-08-2017

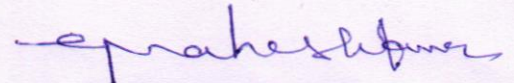
**CIRCULAR**

Department of Civil Engineering, SIET is conducting Total station training programmes related to Civil Engineering survey.

All students of Civil Engineering are hereby informed to attend the as per the schedule below:

Sl.No	Semester	Duration	Timing
1	III & V	21 <sup>st</sup> August 2017 to 27 <sup>th</sup> August 2017	9:00 AM to 4:00 PM
2	VII	28 <sup>st</sup> August 2017 to 2 <sup>nd</sup> September 2017	9:00 AM to 4:00 PM

  
PRINCIPAL  
SIET., TUMAKURU.

  
Dr. G Mahesh Kumar  
(HOD)  
**HOD**  
Dept. of Civil Engineering  
SIET, TUMKURU - K.



Date: 14-08-2017

## Curriculum for Total Station Training Programs in Civil Engineering

**Program Name:** Total Station Training

**Duration:** 36 Hr

### Overview

The course will provides an overview of all of the essential SketchUp skills needed for general modelling for a civil engineer. SketchUp is one of the easiest 3D tools to use but it has many features. The course will be in one month format to provide training on software and time to practice for all participants.

### Syllabus

#### Set Up and Orientation of Total station

- Centring
- Levelling
- Selection of measuring units
- Correction factors and constants
- Orientation of Total station
- Azimuth Calculation

#### Calculation of area

- Rectangular
- Pentagon
- Hexagon

#### Profile Levelling

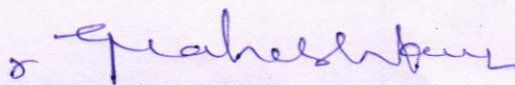
- L/S AND C/S for different projects
- Contouring

#### Assessment:

##### Students should obtain:

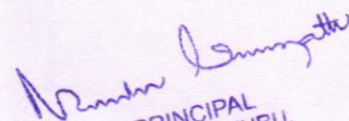
Min 80% of attendance

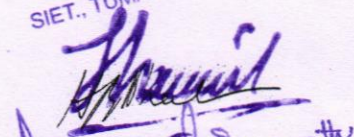
Min 80% Participation in practice session

  
(Dr. G Mahesh Kumar)

**HOD**

Dept. of Civil Engineering  
SIET, TUMKUR--6.

  
PRINCIPAL  
SIET, TUMAKURU.

  
(Dr. H B Phani Raju)  
PRINCIPAL  
SIET, TUMAKURU.





Date: 06-09-2017

**REPORT ON TOTAL STATION TRAINING PROGRAM**

**Name of the software program:** Total Station Training

**Program duration:** 21<sup>st</sup> August 2017 to 27<sup>th</sup> August 2017

28<sup>st</sup> August 2017 to 2<sup>nd</sup> September 2017

**No. of Participants:** 128

**Program Coordinator:** Mr. Prakash J, Assistant Professor, CED, SIET

**Training Person:** Mr. Sampath Kumar, Total station trainer, Bangalore

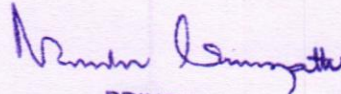
**Objective:**

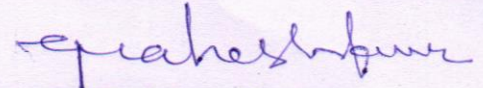
The objective of this program is to enrich student with the knowledge and handling of surveying with digital measuring instrument in various field survey.

**Outcome:**

The participants have acquired knowledge of Total Station its uses. The training fulfills the basic requirement for a civil engineering career.

Certificates were distributed to the participants who have attended minimum 80% of the sessions.

  
PRINCIPAL  
SIET., TUMAKURU.

  
(Dr. G Mahesh Kumar)  
HOD  
HOD  
Dept. of Civil Engineering  
SIET, TUMKUR - 6.





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

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

Sira Road, Tumakuru - 572 106. Karnataka.

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



An ISO 9001:2015 Certified Institution

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

Date: 15-08-2017

**CIRCULAR**

Department of Computer Science and Engineering is organizing 06 days Certification course on "Python Programming"

All course registered students of Computer science are hereby informed to attend the course as per the schedule below:

Course Name	Duration
Python Programming	4 <sup>st</sup> Sep 2017 to 9 <sup>th</sup> Sep 2017

**Venue:**

CSE Seminar Hall, Time: 9:00am to 5:00pm

*Shree Ch...*  
*Shree Indraya*

*Prof. ShanmukhaSwamy C V*  
**Prof. ShanmukhaSwamy C V**  
**(HOD)**

*Principal*  
**PRINCIPAL**  
**SIET., TUMAKURU.**





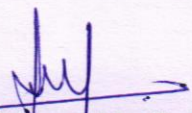
## Curriculum for Python Programming Course

Content	Total Duration
• Introduction of Python	40 hours
• Installing Python IDEs – Python IDLE and Anaconda	
• Writing Your First Python Program	
• Data-types in Python	
• Variables in Python – Declaration and Use	
• Typecasting in Python	
• Operators in Python – Assignment, Logical, Arithmetic etc.	
• Taking User Input (Console)	
• Conditional Statements – If else and Nested If else and elif	
• Python Collections (Arrays) – List, Tuple, Sets and Dictionary	
• Loops in Python – For Loop, While Loop & Nested Loops	
• String Manipulation – Basic Operations, Slicing & Functions and Methods	
• User Defined Functions – Defining, Calling, Types of Functions, Arguments	
• Lambda Function	
• Importing Modules – Math Module	

### Assessment: -

Minimum 80% attendance

Minimum 80% Participation in Hands-On training

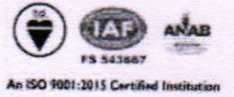
  
(Prof. Shanmukha Swamy C V)  
HOD - CSE, SIET

  
Dr. Hemadri Naidu  
Principal, SIET





SHRIDEVI INSTITUTE OF ENGINEERING AND TECHNOLOGY-TUMKUR-06  
(An ISO 9001-2008 Certified Institution)  
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING



**Report on** : 6 Days Short term certification course on "Python Programming"  
**Conducted date** : 4<sup>th</sup> Sep to 9<sup>th</sup> Sep 2017  
**Venue** : Shridevi Institute of Engineering and Technology, Tumkur  
**Activity** : Short term certification course

**Description:**

6 Days Short term certification course on " Python Programming" was conducted by CSE department, Tumakuru from 4<sup>th</sup> Sep to 9<sup>th</sup> Sep 2017 for CSE students. The **objective and outcomes** of this course was

- 1) Constructing Brand Value and Awareness
- 2) Improve SEO Person Techniques
- 3) Increase the number of visitors

The Inauguration function for the workshop was held on 16<sup>th</sup> Feb at 9:00 AM in EDUSAT HALL SIET, Tumkur.

Graced by : 1) Mr. M.S Patil, Director- HR and IT, SCT, Tumkur  
2) Dr. Narendar Viswanath, Principal, SIET  
3) Dr. Charan K V, Associate Prof, Dept of CSE, SIET  
4) Prof. Shanmuka Swamy, Assoct Prof and Head, Dept of CSE, SIET

Welcome speech by: Prof. Shanmuka Swamy, Assoct Prof and Head, Dept of CSE, SIET

In the key note address Dr. Charan KV congratulated the participants and organizers for taking the initiative and organizing short term certification course on " Python Programming". He expressed his gratitude to Management, Principal and Dept of CSE for providing opportunity to share the knowledge with the students.

**On day-1** following topics are covered

Session Number	Date	and time	Topics
1	Day 1 (4-09-17)	9:00 AM to 1:00 AM	Introduction of Python
2		2:00 AM to 5:00 PM	Installing Python IDEs – Python IDLE and Anaconda

*Narendar Viswanath*  
PRINCIPAL  
SIET., TUMAKURU.



On day-2 following topics are covered

Session Number	Date	Time	Topics
1	Day 2 (5-09-17)	9:00 AM to 1:00 AM	Writing Your First Python Program
2		2:00 AM to 5:00 PM	Data-types in Python

On day-3 following topics are covered

Session Number	Date	and time	Topics
1	Day 3 (6-09-17)	9:00 AM to 1:00 AM	Typecasting in Python
2		2:00 AM to 5:00 PM	Operators in Python – Assignment, Logical, Arithmetic etc.

On day-4 following topics are covered

Session Number	Date	Time	Topics
1	Day 4 (7-09-17)	9:00 AM to 1:00 AM	Conditional Statements – If else and Nested If else and elif
2		2:00 AM to 5:00 PM	Python Collections (Arrays) – List, Tuple, Sets and Dictionary

On day-5 following topics are covered

Session Number	Date	Time	Topics
1	Day 5 (08-09-17)	9:00 AM to 1:00 AM	Loops in Python – For Loop, While Loop & Nested Loops
2		2:00 AM to 5:00 PM	String Manipulation – Basic Operations, Slicing & Functions and Methods

*N. Srinivasan*  
PRINCIPAL  
SIET., TUMAKURU.



On day-6 following topics are covered

Session Number	Date	Time	Topics
1	Day 6 (9-09-17)	9:00 AM to 1:00 AM	User Defined Functions – Defining, Calling, Types of Functions, Arguments
2		2:00 AM to 5:00 PM	Lambda Function

*N. Srinivasan*

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 Computer Science and Engineering

Date: 10/01/2018

### CIRCULAR

We at Shridevi Institute of Engineering and Technology are happy to announce that we are Organizing a long term course - **FOUNDATION 5.0** under Infosys Campus Connect Program as part of **MOU with INFOSYS Limited, Bangalore**. All the Students of 5<sup>th</sup> semester CSE are hereby informed to enroll for the Course under Infosys Campus Connect Program at SIET which will be commencing from from 28<sup>th</sup> March 2018 to 30th Nov 2018. The Course will be **120** hours Duration which includes both Theory [86hrs] and Practical [35 hrs] sessions.

#### The Course Contents are:

Sl No	Mode of Evaluation	Course	Classroom hours
1	Objective Assessment	Module 1: Programming Fundamentals	22
2		Module 2: Database Fundamentals	16
3		Module 3: Python Database Fundamentals	10
4	Objective Assessment	Module 4: Object Oriented Programming using Python	19
5		Module 5: Advance Database Concepts	19
6	Integrated Project Development	Object Oriented Programming Project	Requires 32-35 Lab hours
7		Database Project	

Interested students are hereby informed to Enroll their names with Prof.Raghunandan R, Asst. Professor ,Dept. of CSE.

*Raghu R. Shanmugaswamy*  
PRINCIPAL  
SIET, TUMAKURU.

*Prof. Shanmugaswamy*  
CV 10/1/18  
SPoC-Infosys Campus connect ,&  
Associate Professor and HOD, CSE, SIET.





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 Computer Science and Engineering [Academic Year: 2017-18]

To

Date: 5<sup>th</sup> Dec, 2018

The Principal

SIET, Tumkur-06

Subject: **Submission of Report on Long term Course - FOUNDATION 5.0 [ under Infosys CampusConnect Program ]**

We are happy to bring to your notice that the students of 6<sup>th</sup> sem CSE 25 Nos have successfully completed the training program on **FOUNDATION 5.0** under Infosys CampusConnect Program. The Course was conducted from **28/03/2018 to 30/11/2018** **Number of Participants: 25**

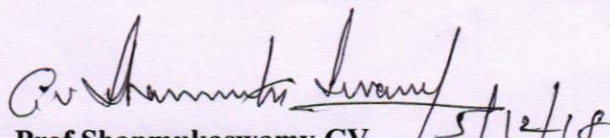
#### Objectives:

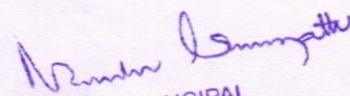
The objective of this event was to train and prepare our candidates to be ready to join the organization under any domain. As there is much demand for basic object oriented skills the plan under this activity was supported by Infosys team and it went on successfully

#### Activity Description:

The students were trained with the course like Programming fundamentals, database fundamentals, Python Database Integration, Object Oriented Programming using Python, Advanced Database Concepts, also assessment were conducted to judge the learnt concepts of programming, they were asked to perform an integrated Project on both Object Oriented Programming and Database. The learning involved a mixed environment of classroom lectures, quizzes, assignments and projects. Several doubt clearing sessions were conducted.

The attendance and the co-ordination was maintained till the end of course by Mr Raghunandan R, Asst. Professor, Dept. of CSE. The certificates are distributed to all the participants.

  
Prof. Shanmukaswamy CV / 5/12/18  
SPoC-Infosys Campus connect, &  
Associate Professor and HOD, CSE, SIET.

  
PRINCIPAL  
SIET., TUMAKURU.