



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



Date: 28-12-2023

CIRCULAR

SIET in association with IQAC, Tumkur is conducting short term course program "Project Management (PM)".

All 3rd sem students of CSE / ISE / AI & DS / EEE / ECE / Civil / ME are hereby informed to compulsorily attend course as per the schedule below:


Topic	Date
Introduction to Project Management	8 th Jan 2024
Project Initiation and Planning	9 th Jan 2024
Project Execution and Monitoring	10 th Jan 2024
Project Control and Closure, Agile Methodologies	11 th Jan 2024
Microsoft Project and Asana, Case Studies and Group Discussions	12 th Jan 2024
Final Project and Assessment	13 th Jan 2024

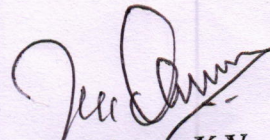
Venue:

SIET Auditorium

Copy to

All Department HOD's (CSE / ISE / EEE / ECE / Civil / ME)


PRINCIPAL
SIET, TUMKUR.


Dr. Charan K V
Associate Prof, Dept of ISE



Curriculum for Project Management Course

Day 1 (8th Jan 2024)

- Definition and scope of project management
- Project management frameworks and methodologies (Agile, Waterfall, Hybrid)
- Project life cycle (Initiation, Planning, Execution, Monitoring and Control, Closure)

Day 2 (9th Jan 2024)

- Project selection and feasibility studies,
- Creating a project charter and stakeholder analysis
- Developing a project schedule and timeline

Day 3 (10th Jan 2024)

- Resource allocation and team management
- Risk management and issue resolution
- Communication planning and stakeholder engagement
- Monitoring and controlling project progress

Day 4 (11th Jan 2024)

- Earned Value Management (EVM) and performance measurement
- Change management and scope control
- Quality management and assurance
- Project closure and evaluation
- Introduction to Agile and Scrum frameworks
- Agile principles and values
- Roles and responsibilities in Agile teams
- Agile estimation and planning techniques

Day 5 (12th Jan 2024)

- Introduction to Microsoft Project and Asana
- Creating and managing projects in Microsoft Project and Asana
- Resource allocation and scheduling
- Tracking progress and reporting
- Real-world project management case studies
- Group discussions and analysis of case studies
- Best practices and lessons learned

Day 6 (13th Jan 2024)

- Applying project management concepts to a real-world project
- Developing a project plan and presentation
- Final assessment and evaluation



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Assessment: -

Minimum 80% attendance
Minimum 80% Participation in Hands-On training

Dr. Charan K V
Associate Prof – ISE , SIET

Dr. Narendra Viswanath
Principal, SIET
PRINCIPAL
SHRIDEVI INSTITUTE OF
ENGINEERING AND TECHNOLOG
TUMKUR - 572106.



DEPARTMENT OF ARTIFICIAL INTELIGENCY AND DATA SCIENCE

Date: 28-09-2023

CIRCULAR

Department of AI & DS, SIET in association with ShriTEK Innovations, Tumkur is conducting short term course program "Basics on Internet of Things (IoT)".

All students of CSE / ISE / AI & DS / EEE / ECE / Civil are hereby informed to compulsorily attend course as per the schedule below:

Topics	Duration
Inauguration Session, Introduction to Internet of Things and Architecture Sensors, actuators & Interfacing	3 rd October 2023
IoT Data Link Layer protocols & IoT Network Layer Protocols, IoT devices, protocols, dashboard automation using Node Red Simulation, IoT automation using Node Red simulation through nodes, MQTT broker, UI Display	4 th October 2023
Arduino board and its functions, Hands on Training using Tinker card- Arduino Programming and Sensors interfacing, Mobile App Inventor	5 th October 2023
Internet of Things – Cloud Integration, Industrial 4.0 with additive manufacturing	6 th October 2023
Industrial IoT challenges, : Applied Deep Learning for IoT Big Data and Streaming Analytics for Design Optimization of Electrical Vehicle, Hands on Session for IoT application using open source tool	7 th October 2023

Venue:

SIET Auditorium

Copy to

All Department HOD's (CSE / ISE / EEE / ECE / Civil)

Dr. Charan KV
HOD, Dept of AI & DS

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SIET, TUMKUR.

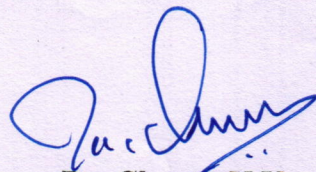
Curriculum for Basics on IoT Course

- Introduction to Internet of Things and Architecture Sensors
- actuators & Interfacing
- IoT Data Link Layer protocols & IoT Network Layer Protocols
- IoT devices, protocols
- dashboard automation using Node Red Simulation
- IoT automation using Node Red simulation through nodes
- MQTT broker and UI Display
- Arduino board and its functions
- Hands on Training using Tinker card- Arduino Programming and Sensors interfacing
- Internet of Things – Cloud Integration
- Industrial 4.0 with additive manufacturing
- Industrial IoT challenges
- Applied Deep Learning for IoT Big Data and Streaming Analytics for Design Optimization of Electrical Vehicle
- Hands on Session for IoT application using open source tool

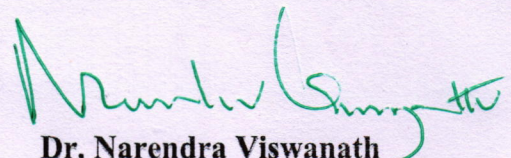
Assessment: -

Minimum 80% attendance

Minimum 80% Participation in Hands-On training



Dr. Charan K V
HOD – AI & DS , SIET



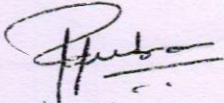
Dr. Narendra Viswanath
Principal, SIET
SHRIDEVI INSTITUTE OF
ENGINEERING AND TECHNOLOGY
TUMKUR - 572106

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Date: 04/09/2021

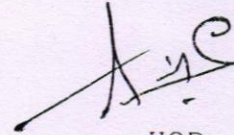
Circular

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.



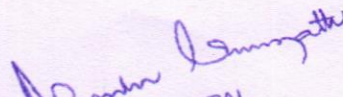
Coordinator

Dept. of ECE
SIET, TUMAKURU



HOD

HOD
Dept of E&C
SIET, Tumkur-6


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SIET, TUMAKURU.



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An ISO 9001:2015 Certified Institution

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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

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SIET., TUMAKURU.

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

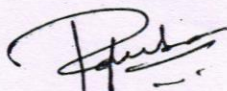
1. Basics OF PYTHON
2. Python Ecosystem
3. Methods for Machine Learning
4. Data Loading for ML Projects
5. Understanding Data with Statistics
6. Understanding Data with Visualization
7. Preparing Data
8. Data Feature Selection

Assessment:

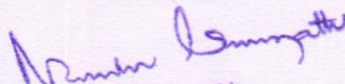
Students should obtain:

Min 80% of attendance

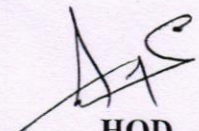
Min 80% Participation in practice session



Coordinator



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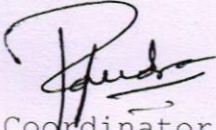
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HOD
Dept of E&C
SIET, Tumkur-6

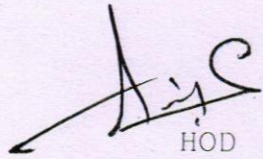
DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING


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


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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.

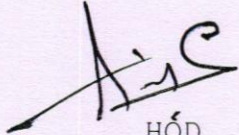
Kindly consider the above request and approve the same for further proceedings.

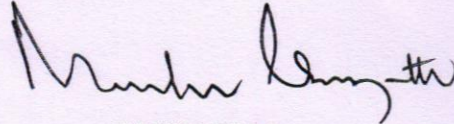
Thanking you

Date: 29/8/2021

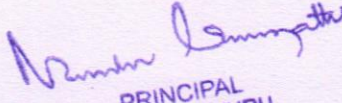
Place: SIET, Tumakuru.


Coordinator


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Dept. of ECE
SIET, TUMAKURU


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HOD
Dept of E&C
SIET, Tumkur-6


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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

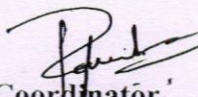
K-Nearest Neighbour
Decision Trees
Logistic Regression
Support Vector Machines
Model Evaluation

4 - Unsupervised Learning

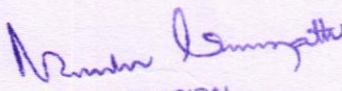
K-Means Clustering
Hierarchical Clustering
Density-Based Clustering

Assessment:**Students should obtain:**

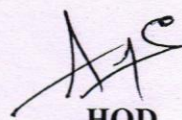
Min 80% of attendance
Min 80% Participation in practice session



Coordinator



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Dept of E&C
SIET, Tumkur-6.



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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"

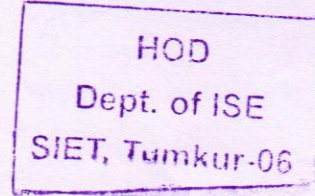
All course registered students of ISE / CSE are hereby informed to attend the course as per the schedule below:

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

Venue:

Online

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



Namur Srinivas
PRINCIPAL
SIET., TUMAKURU.

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

Principals
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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)

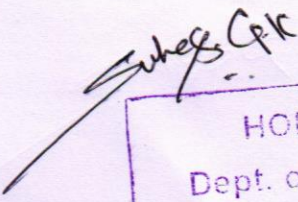
<https://youtube.com/playlist?list=PLI4sUPreneOqxj1pmRF7Np4DhFwmaWOB0>

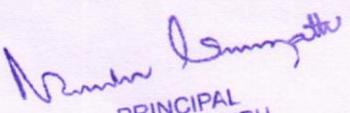
2) Trainer's Support Videos

https://youtube.com/playlist?list=PL7Puz1Dmfw-GjLdRhy6lpALBL216_rkFV

3) Capgemini Course Materials – JEE

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


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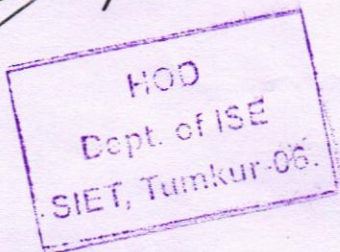
ACTIVITY REPORT-C2TC PROGRAM

Organization with which MoU is signed	:	Shridevi Institute of Engineering & Technology
Name of the institution/industry/corporate house	:	TNS India Foundation (TNSF)
Year of signing MoU	:	2022
Duration	:	From- To 11 TH April 2022-11 th april 2025
Department	:	Information Science & Engineering
Co-Ordinator	:	Dr. Suhas G K, HOD-ISE
Participants	:	Faculty / Students : Students (Final year)
No of Participants	:	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 ≤ 40000 ,studying in CSE,ISE,E&C,EEE,Mechanical&Civil branches at Shridevi Institute of Engineering and Technology

Suhas G K



Principal
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 ≤ 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 Signature
PRINCIPAL
SIET., TUMAKURU.

Gallery

Event Photos



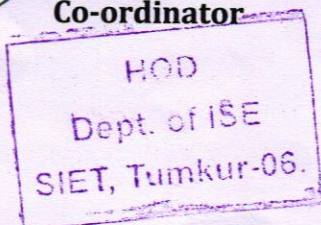
Program Outcome

- 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

SHRIDEVI
EDUCATION

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FS 543667

An ISO 9001:2015 Certified Institution

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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Date: 06/09/2021

Circular

It is hereby informed to all 5th semester students that the "THE ARDUINO PLATFORM and C PROGRAMMING" training course from "6th November 2021 to 26 December 2021" will be conducted all students are informed to attend 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.

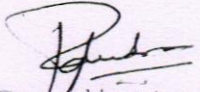
With reference to the subject cited above, I would like to bring to your kind notice that, the Department is planned to organize Student Training Program on "THE ARDUINO PLATFORM and C PROGRAMMING" from "6th November 2021 to 26th December 2021" for 5th semester Electronics & communication engineering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

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

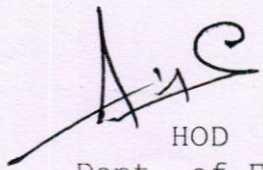
Thanking you

Date: 29/10/2021

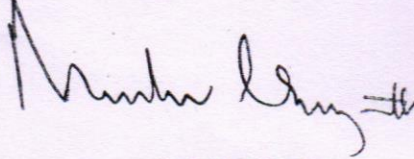
Place: SIET, Tumakuru.



Coordinator

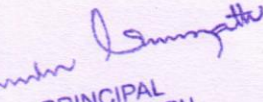


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SIET, TUMAKURU

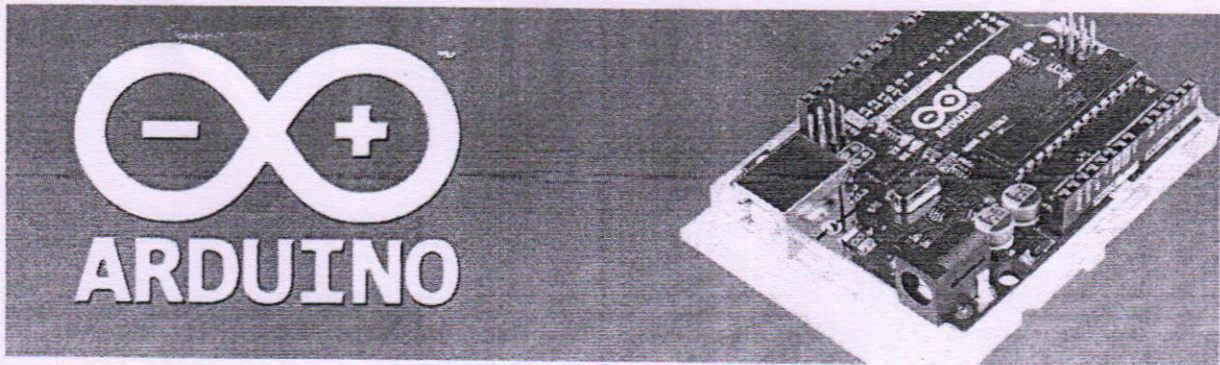


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HOD
Dept of E&C
SIET, Tumkur-@



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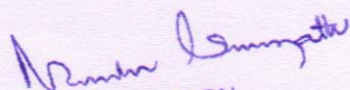


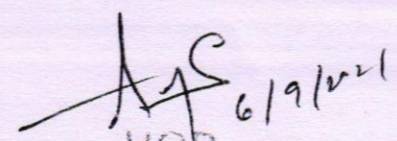
The Arduino Platform and C Programming

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

Upon completing this course, you will be able to:

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


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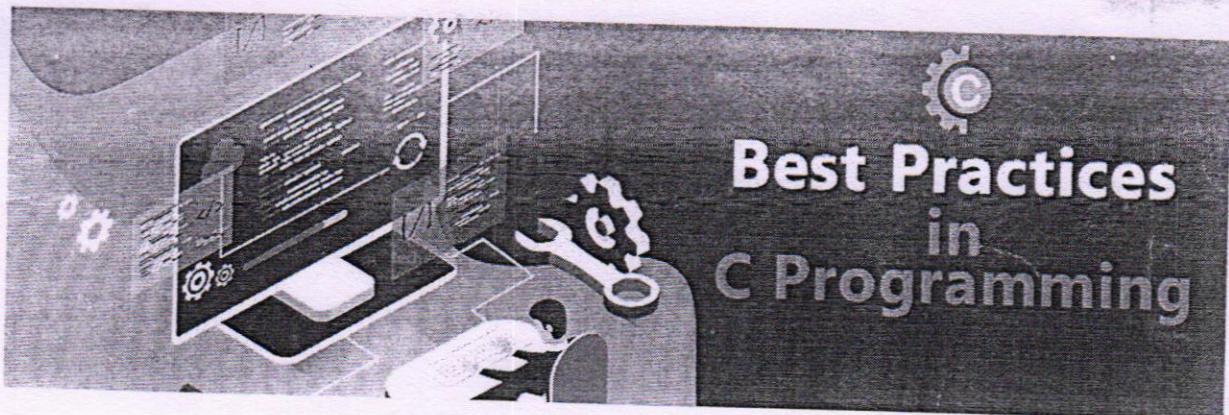

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18. Differentiate between digital and analog pin
19. Debug embedded software
20. Explain the importance of controllability and observability in the debugging process
21. Describe common debugging architectures for embedded systems
22. Explain how the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

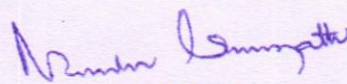
Arduino Environment

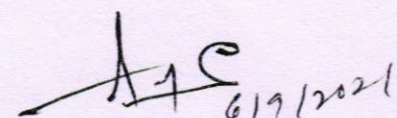
This module provides an introduction to the Arduino environment which is composed of three things: the Arduino board, the Arduino IDE, and the Arduino-compatible shields together with their libraries. We first investigate the board, discussing all of its main components, inputs, and outputs. We discuss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


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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.

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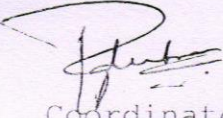
A. S. Srinivasan 6/9/2021
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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

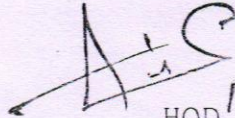
Date: 10/03/2022

Circular

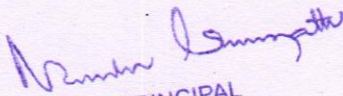
It is hereby informed to all 6th semester students that the "INTERFACING WITH ARDUINO" training course from "19th March 2022 to 8th May 2022" will be conducted all students are informed to attend the training course without fail.



Coordinator



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Sri Shridevi Charitable Trust (R.)

SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY

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

Sira Road, Tumakuru - 572 106, Karnataka.



An ISO 9001:2015 Certified Institution

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

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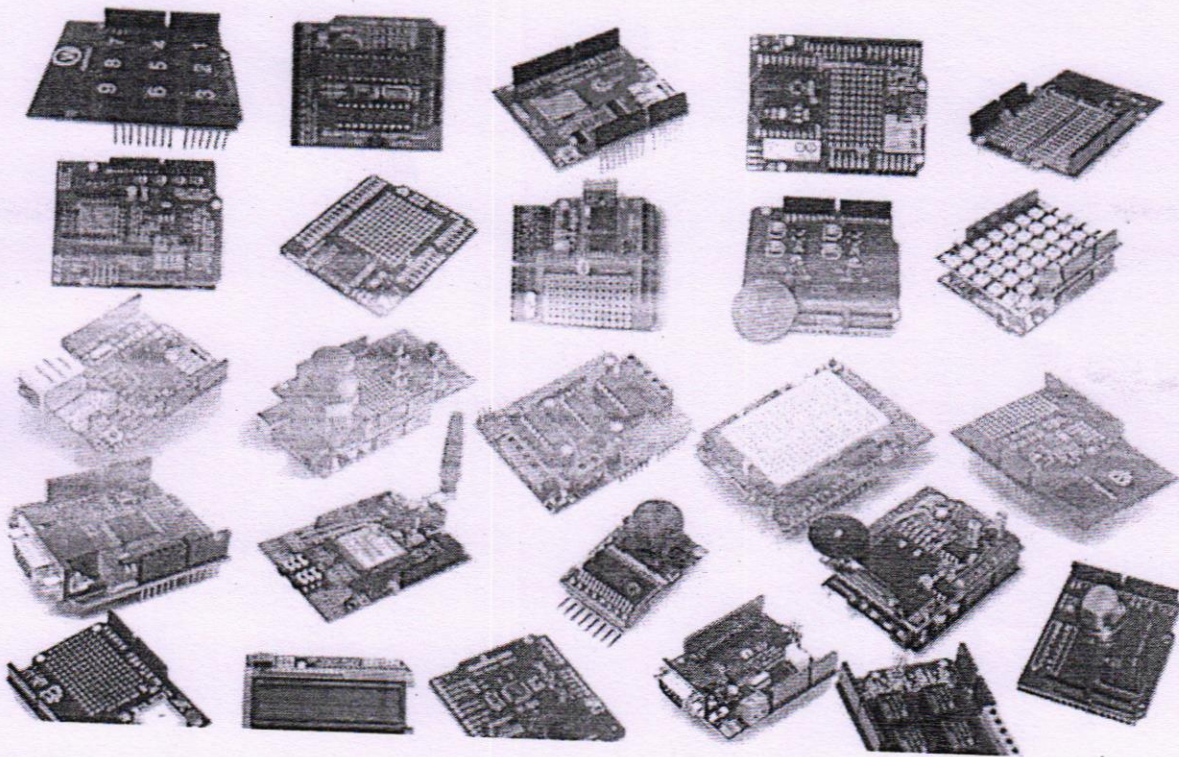
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SIET., TUMAKURU.

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. 10/31/2022
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SIET, Tumkur-6



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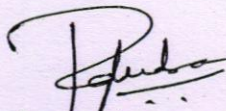
Phone: 0816-2212629 | Fax: 0816-2212628 | Email: info@shrideviengineering.org | Web: <http://www.shrideviengineering.org>

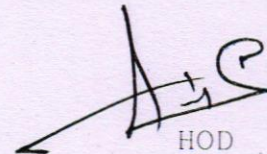
DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

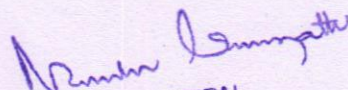
Date: 6/4/2022

Circular

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


Coordinator


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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 "14th April 2022 to 20th April 2022" for 6th semester Electronics & communication engineering students.

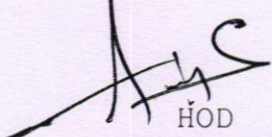
Kindly consider the above request and approve the same for further proceedings.

Thanking you

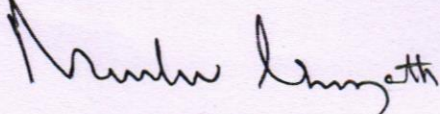
Date: 6/4/2022


Place: SIET, Tumakuru.


Coordinator


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EDUCATION

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SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY

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

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

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

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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

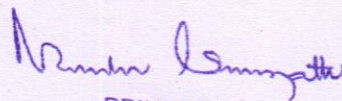
Assessment:


Students should obtain:

Min 80% of attendance

Min 80% Participation in practice session


Coordinator


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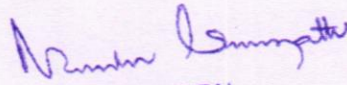
Date: 02-05-2022

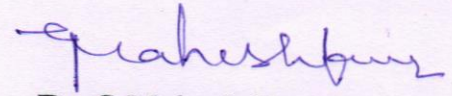
CIRCULAR

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	


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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 th 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	
	Total - 5 Projects	400 Hours	100 Points	

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 th Semester Commencement
02	Project - 02	80 Hours	20 Points	
03	Project - 03	80 Hours	20 Points	
04	Project - 04	60 Hours	15 Points	
	Total - 4 Projects	300 Hours	75 Points	

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 th Semester Commencement
02	Project - 02	80 Hours	20 Points	
03	Project - 03	40 Hours	10 Points	
	Total - 3 Projects	200 Hours	50 Points	

Principal

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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 th Semester Commencement
02	Project - 02	20 Hours	05 Points	
Total - 2 Projects		100 Hours	25 Points	

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

N. S. S. S.
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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

(Handwritten signature of Dr. G Mahesh Kumar)

(Dr. G Mahesh Kumar)

HOD

Dept: of Civil Engineering
SIET, TUMKUR - 6

(Handwritten signature of Dr. Narendra Viswanath)

(Dr. Narendra Viswanath)

Principal

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SIET., TUMAKURU.

(Handwritten signature of Dr. 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

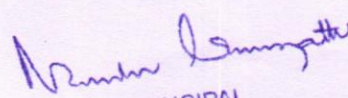
Objective:

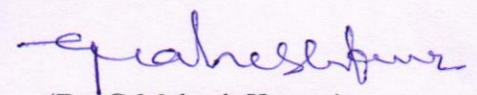
The objective of this program is to enrich student with the knowledge and practical survey and ground work, Problem identification and obtaining solution for the problems.

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	Inaguration	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

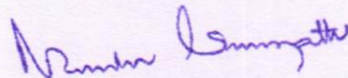
Objective:

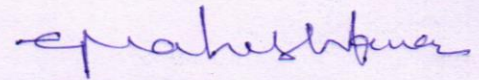
The objective of this program is to enrich student with the knowledge on **An insight into the Construction Material Manufacturing and Industries related to Civil Engineering Infrastructure.**

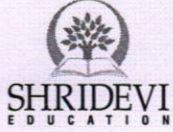
Outcome:

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.



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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

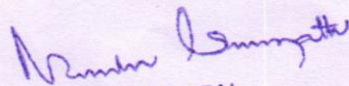
Course Duration: 30 Hours

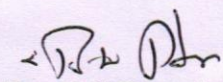
No. of participants: 49

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



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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:

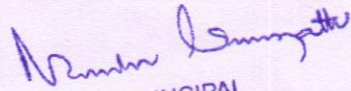
Sem	Software Name	Duration
IV	Google Sketchup	1 st April 2021 to 30 th April 2021
VI	Revit Architecture and Structure	1 st April 2021 to 30 th April 2021
VIII	SAFE	1 st April 2021 to 30 th April 2021

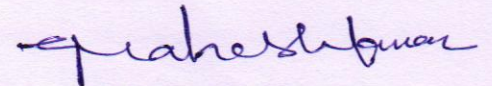
Venue:

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: 1st April 2021 to 30th April 2021

No. of Participants: 44

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

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

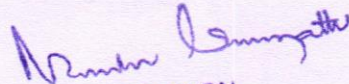
Objective:

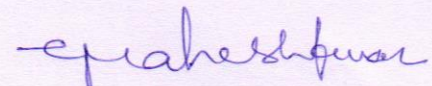
The objective of this program is to enrich student with the knowledge of industrial software and its application in various domains covering several modules falling under the umbrella of Google sketchup.

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: 1st April 2021 to 30th 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.

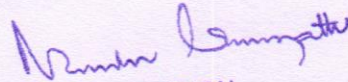
Objective:

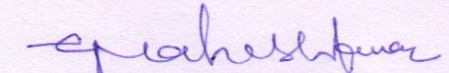
The objective of this program is to enrich student with the knowledge of industrial software and its application in various domains covering several modules falling under the umbrella of Revit Architecture and Structure.

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
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(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: 1st April 2021 to 30th 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.

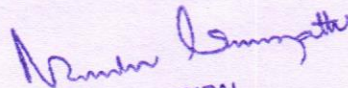
Objective:

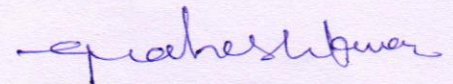
The objective of this program is to enrich student with the knowledge of industrial software and its application in various domains covering several modules falling under the umbrella of SAFE.

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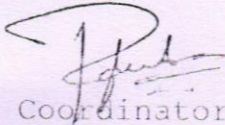
Phone: 0816-2212629 | Fax: 0816-2212628 | Email: info@shrideviengineering.org | Web: <http://www.shrideviengineering.org>

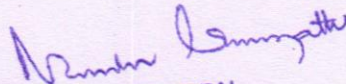
DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

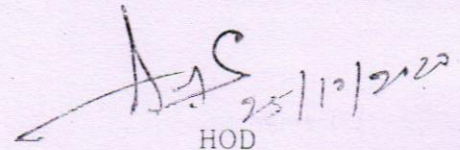
Date: 25/10/2020

Circular

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


Coordinator


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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.

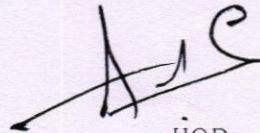
Kindly consider the above request and approve the same for further proceedings.

Thanking you

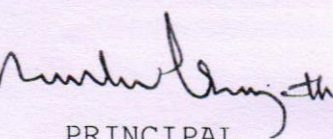
Date: 25/10/2020

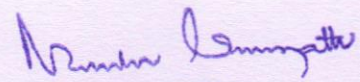
Place: SIET, Tumakuru.


Coordinator


HOD
Dept. of ECE
SIET, TUMAKURU

HOD
Dept of E&C
SIET, Tumkur-6


PRINCIPAL
SIET, TUMAKURU


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SIET., TUMAKURU.


Curriculum for Industrial Automation Course

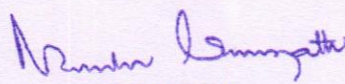
- Introduction, History & Need of Automation.
 - Factory & process automation.
 - Introduction to components of automation and PLC.
 - Input devices like Proximity sensors, Limit switches, Push button and lamps,
 - Ultra sonic sensors, Optical sensors, Encoder.
-
- Diffusion beam sensors, through beam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

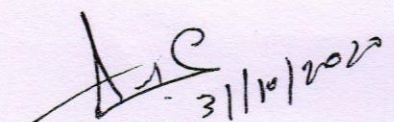
Assessment: Students should obtain

Min 80% of attendance

Min 80% Participation in practice session


Coordinator


PRINCIPAL
SIET., TUMAKURU.

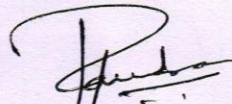

HOD
31/10/2023
HOD
Dept of E&C
SIET, Tumkur-5

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

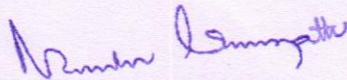
Date: 13/9/2020

Circular

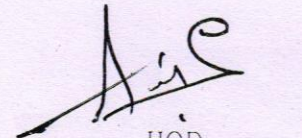
It is hereby informed to all 5th semester students that the "NPL USING PYTHON"- training course from "21st September 2020 to 27th September 2020" will be conducted all students are informed to attend the training course without fail.



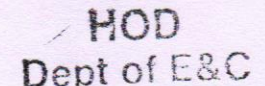
Coordinator



PRINCIPAL
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SIET, TUMAKURU



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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.

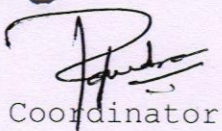
With reference to the subject cited above, I would like to bring to your kind notice that, the Department is planned to organize Student Training Program on "NPL USING PYTHON"- from "21st September 2020 to 27th September 2020" for 5th semester Electronics & communication engineering students.

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

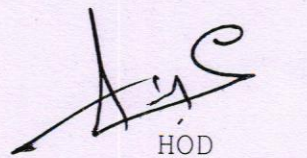
Thanking you

Date: 13/9/2020

Place: SIET, Tumakuru.

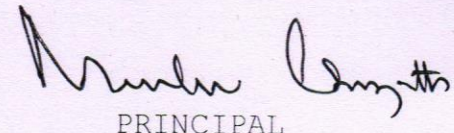


Coordinator

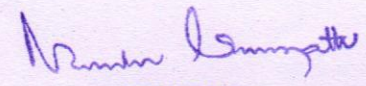


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SYLLABUS FOR VALUE ADDED COURSE ON “NPL USING PYTHON”

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.

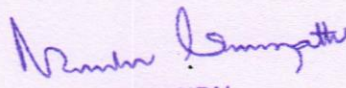
Assessment:

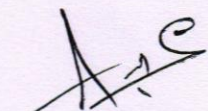
Students should obtain:

Min 80% of attendance

Min 80% Participation in practice session


Coordinator


PRINCIPAL
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SIET, Tumkur-8



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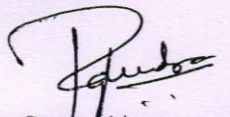
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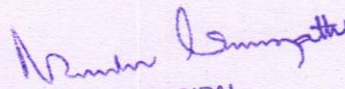
DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

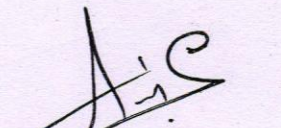
Date: 8/2/2021

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
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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.

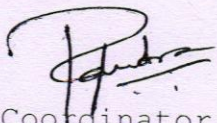
With reference to the subject cited above, I would like to bring to your kind notice that, the Department is planned to organize Student Training Program on "UNIX/LINUX OS ESSENTIALS"- from "15th Feb 2021 to 20th Feb 2021" for 6th semester Electronics & communication engineering students.

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

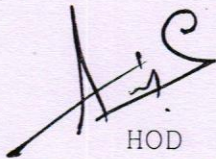
Thanking you

Date: 8/2/2021

Place: SIET, Tumakuru.

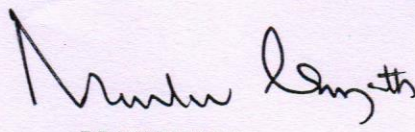


Coordinator

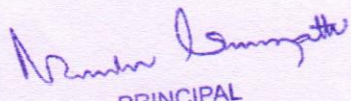


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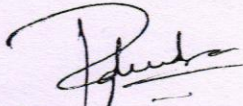
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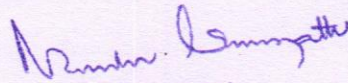
DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

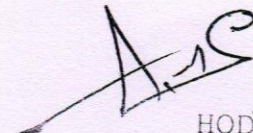
Date: 20/02/2021

Circular

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


Coordinator


PRINCIPAL
SIET, TUMAKURU.

 20/02/2021
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(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.

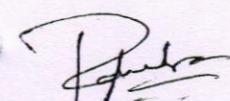
With reference to the subject cited above, I would like to bring to your kind notice that, the Department is planned to organize Student Training Program on "ROBOTICS" from "27th February 2021 to 18th April 2021" for 6 semester Electronics & communication engineering students.


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

Thanking you

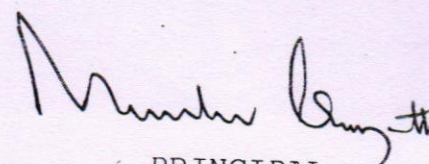
Date: 20/02/2021

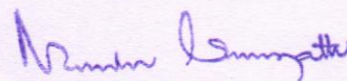
Place: SIET, Tumakuru.


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

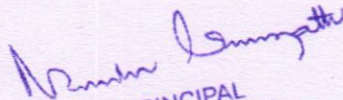


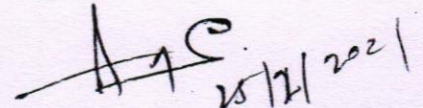
Assessment: Students should obtain

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"

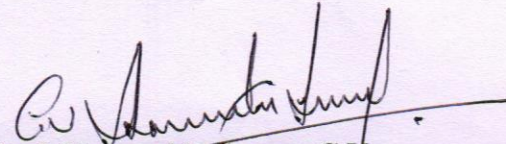
All course registered students of Computer science are hereby informed to attend the course as per the schedule below:

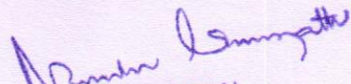
Course Name	Duration
Digital Marketing	1 st May 2021 to 30 th May 2021

Venue:

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


Staff Incharge


Prof. Shanmukha Swamy C V
(HOD)
HOD,
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 : 1st May to 30th 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 1st May to 30th 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 16th 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.

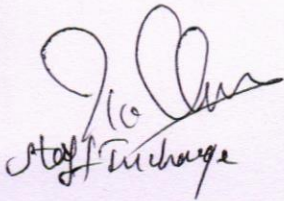
Curriculum for Digital Marketing Course

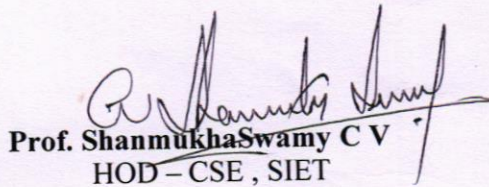
Content	Duration
1) Introduction to Digital Marketing	36 hours
➤ Types of Digital Marketing	
➤ Trends & Scenarios of the Digital Marketing Industry	
2) Planning and Creating a Website	
➤ Brand awareness, credibility, and delivery among consumers	
➤ WordPress	
➤ Practical demonstration on how to create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

Assessment: -

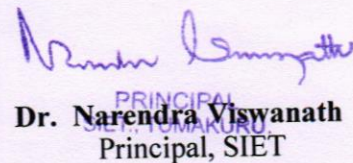
Minimum 80% attendance

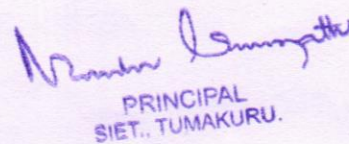
Minimum 80% Participation in Hands-On training


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.)
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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

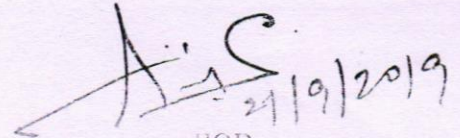
Date: 21/9/2019

Circular

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


Coordinator


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

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Ref: SIET/EC/2019-20/01

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

APPROVAL LETTER

To,
The Principal,
SIET, Tumakuru

Respected Sir,

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

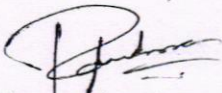
With reference to the subject cited above, I would like to bring to your kind notice that, the Department is planned to organize Student Training Program on "FPGA BASED VLSI DESIGN" from "28th September 2019 to 20th October 2019" for 7th semester Electronics & communication engineering students.

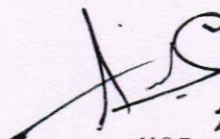
Kindly consider the above request and approve the same for further proceedings.

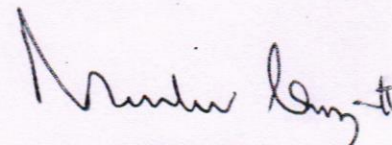
Thanking you

Date: 21/9/2019

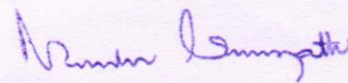
Place: SIET, Tumakuru.


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.

HOD Signature
28/9/2019

HOD
Dept of E&C
SIET, Tumkur-6

- Programmable Interconnects
- Architectural Resources
- Power Distribution and Configuration

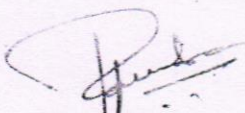
Assignments

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

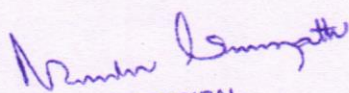
Assessment: Students should obtain

Min 80% of attendance

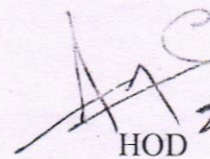
Min 80% Participation in practice session



Cordinator



PRINCIPAL
SIET., TUMAKURU.



HOD 28/9/2019

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

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

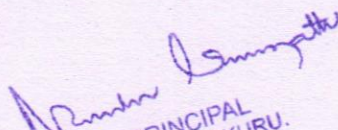
Date: 10/10/2019

Circular

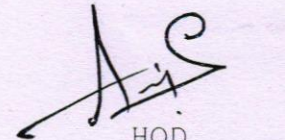
It is hereby informed to all 7th semester students that the "ARM Processors" training course from "18th November 2019 to 24th November 2019" will be conducted all students are informed to attend the training course without fail.



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.

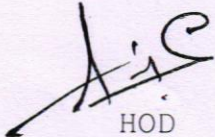
Kindly consider the above request and approve the same for further proceedings.

Thanking you

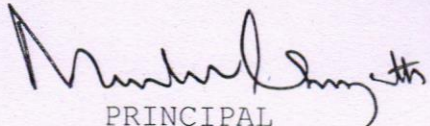
Date: 10/10/2019

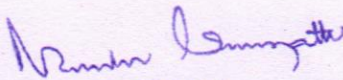
Place: SIET, Tumakuru.


Coordinator


HOD
Dept. of ECE
SIET, TUMAKURU

HOD
Dept of E&C
SIET, Tumkur-6


PRINCIPAL
SIET, TUMAKURU


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SIET., TUMAKURU.



VALUE ADDED COURSE ON “ARM PROCESSORS “

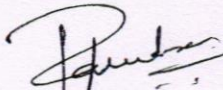
Syllabus

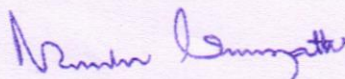
- 1: ARM Embedded Systems and ARM Processor Fundamentals
- 2: ARM Instruction Set Duration
- 3: Introduction to THUMB and ARM Programming Duration
- 4: Exception and Interrupt handling schemes
- 5: LPC2148 ARM CPU.
- 6: LPC 2148 – Peripherals

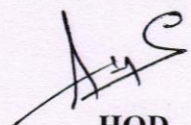
Assessment:

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



DEPARTMENT OF CIVIL ENGINEERING

Date: 27-01-2020

CIRCULAR

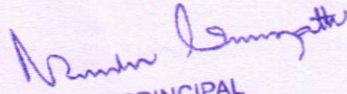
Department of Civil Engineering, SIET in association with CASD DESK, Tumkur is conducting software programmes related to Civil Engineering.

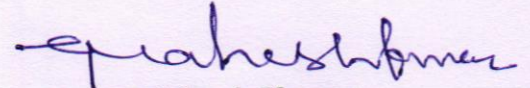
All students of Civil Engineering are hereby informed to attend as per the schedule below:

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

No. of Participants: 40

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

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

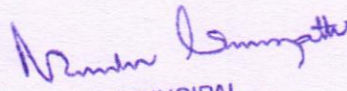
Objective:

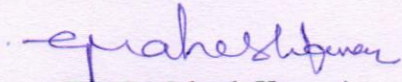
The objective of this program is to enrich student with the knowledge of industrial software and its application in various domains covering several modules falling under the umbrella of Google sketchup.

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: 1st Feb 2020 to 10th 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.

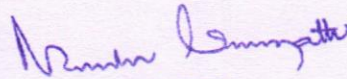
Objective:

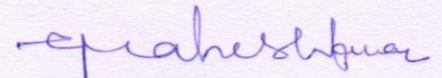
The objective of this program is to enrich student with the knowledge of industrial software and its application in various domains covering several modules falling under the umbrella of Revit Architecture and Structure.

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: 1st Feb 2020 to 10th 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.

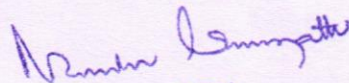
Objective:

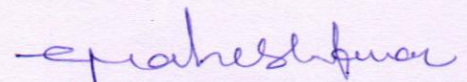
The objective of this program is to enrich student with the knowledge of industrial software and its application in various domains covering several modules falling under the umbrella of SAFE.

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.



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SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY

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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"

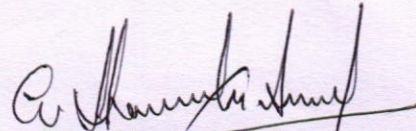
All course registered students of Computer science are hereby informed to attend the course as per the schedule below:


Course Name	Duration
DevOps	1 st 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

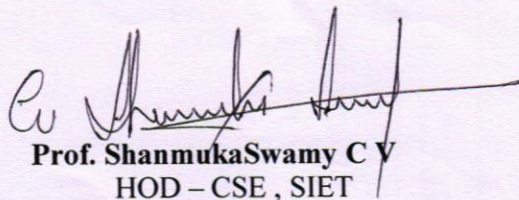
Contents	Duration
Introduction to DevOps	12 hours
<ul style="list-style-type: none">➤ DevOps Principles in detail➤ DevOps Engineer Skills in the market➤ Knowing DevOps Delivery Pipeline➤ Market trend of DevOps➤ DevOps Technical Challenges➤ Tools we use in DevOps	
DevOps on Cloud	10 hours
<ul style="list-style-type: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

Assessment: -

Minimum 80% attendance

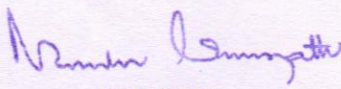
Minimum 80% Participation in Hands-On training

Staff H/c



Prof. Shanmuka Swamy C V
HOD – CSE, SIET

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



Dr. Narendra Viswanath
Principal, SIET



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

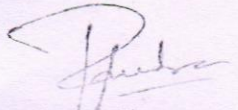


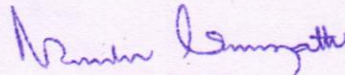
DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

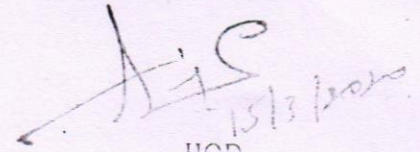
Date: 15/3/2020

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.

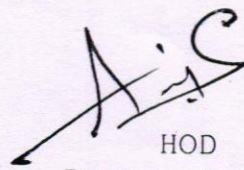
Thanking you

Date: 15/3/2020

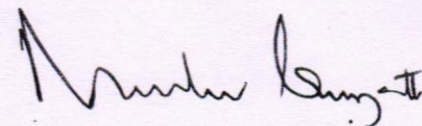
Place: SIET, Tumakuru.



Coordinator

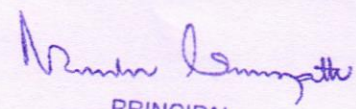


HOD
Dept. of ECE
SIET, TUMAKURU



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SIET, TUMAKURU

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Dept of E&C
SIET, Tumkur-6



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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

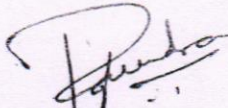
CMOS Fundamentals

- 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

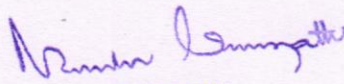
Assessment: Students should obtain

Min 80% of attendance

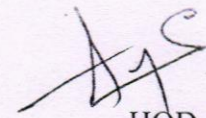
Min 80% Participation in practice session



Coordinator



PRINCIPAL
SIET., TUMAKURU.



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



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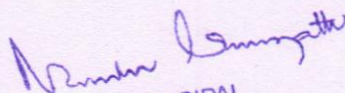
DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

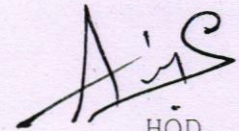
Date: 11/5/2020

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.

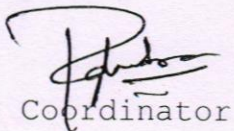
With reference to the subject cited above, I would like to bring to your kind notice that, the Department is planned to organize Student Training Program on "Network and Security Administration" from "18th May 2020 to 24th May 2020 " for 8th semester Electronics & communication engineering students.

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

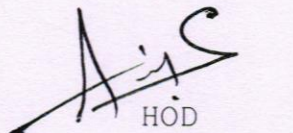
Thanking you

Date: 11/5/2020

Place: SIET, Tumakuru.

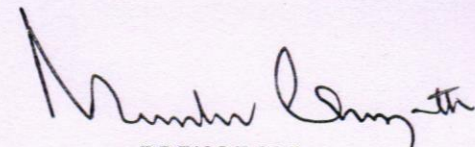


Coordinator

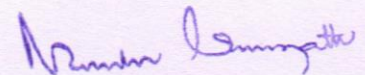


HOD
Dept. of ECE
SIET, TUMAKURU

HOD
Dept of E&C
SIET, Tumkur-6



PRINCIPAL
SIET, TUMAKURU



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SIET., TUMAKURU.



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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



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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

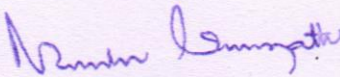
Assessment:

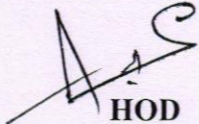
Students should obtain:

Min 80% of attendance

Min 80% Participation in practice session


Coordinator


PRINCIPAL
SIET, TUMAKURU.


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



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An ISO 9001:2015 Certified Institution

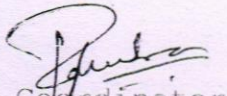
Phone: 0816-2212629 | Fax: 0816-2212628 | Email: info@shrideviengineering.org | Web: http://www.shrideviengineering.org

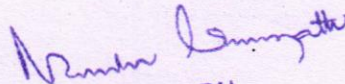
DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

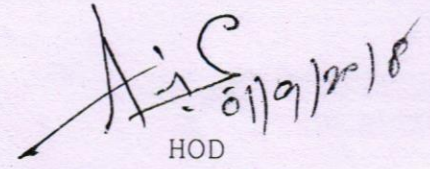
Date: 01/9/2018

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.


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SIET, TUMAKURU

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Dept of E&C
SIET, Tumkur-6



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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.

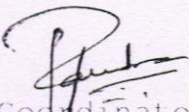
With reference to the subject cited above, I would like to bring to your kind notice that, the Department is planned to organize Student Training Program on "ANTENNA DESIGN" from "8th September 2018 to 30th September 2018" for 7th semester Electronics & communication engineering students.


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

Thanking you

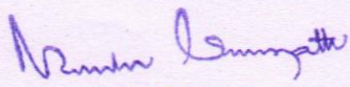
Date: 01/9/2018

Place: SIET, Tumakuru.


Coordinator


HOD
Dept. of ECE
SIET, TUMAKURU

HOD
Dept of E&C
SIET, Tumkur-6


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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.

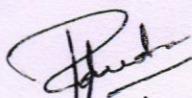
Applications

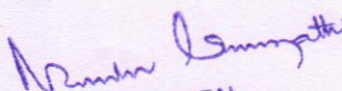
- 3D antenna design analysis of horns, micro strip patches, wire antennas, reflector antennas, conformal antennas, broadband antennas, arrays
- Antenna placement analysis of antenna radiation patterns, radiation hazard zones, etc. with an antenna placed on a large structure, e.g. ship, aircraft, armored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

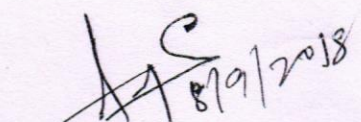
Assessment: Students should obtain

Min 80% of attendance

Min 80% Participation in practice session


Coordinator


PRINCIPAL
SIET., TUMAKURU.

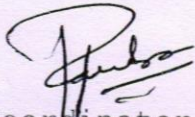

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Dept of E&C
SIET, Tumkur-6

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

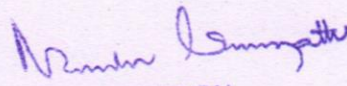
Date: 12/11/2018

Circular

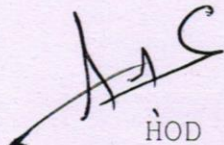
It is hereby informed to all 7th semester students that the Real Time operating Systems training course from "19/11/2018 to 25/05/2018" will be conducted all students are informed to attend the training course without fail.



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.

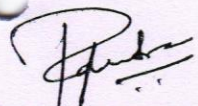
With reference to the subject cited above, I would like to bring to your kind notice that, the Department is planned to organize Student Training Program on "Real Time operating Systems" from "19/11/2018 to 25/05/2018" for 7th semester Electronics & communication engineering students.

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

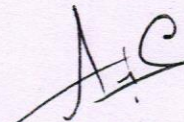
Thanking you

Date: 10/11/2018

Place: SIET, Tumakuru.

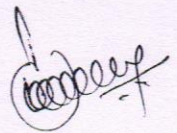


Coordinator

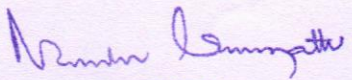


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SIET, TUMAKURU

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SIET, Tumkur-6



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SIET, TUMAKURU



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SIET., TUMAKURU.



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

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

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VALUE ADDED COURSE ON “REAL TIME OPERATING SYSTEMS “

Syllabus

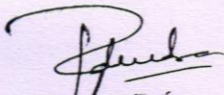
- 1 : Introduction-RTOS
- 2 : Basics of Task scheduling
- 3 : Cyclic executives
- 4 : Cyclic Scheduler
- 5 : Cyclic Scheduler

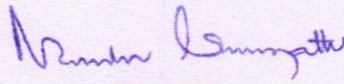
Assessment:

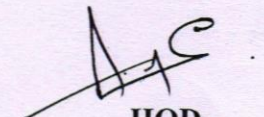
Students should obtain:

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

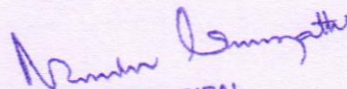
Department of Civil Engineering, SIET in association with CASD DESK, Tumkur is conducting software programmes related to Civil Engineering.

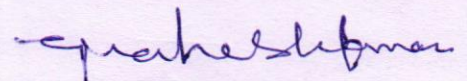
All students of Civil Engineering are hereby informed to attend the as per the schedule below:

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

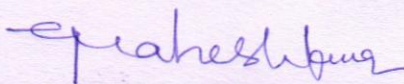
Drawing Tools (Line, Rectangle, Square, Push/Pull, Circle, Polygon, Arc)

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:

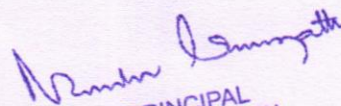
Min 80% of attendance
Min 80% Participation in practice session



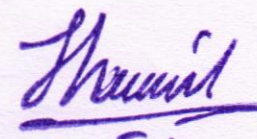
(Dr. G Mahesh Kumar)

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

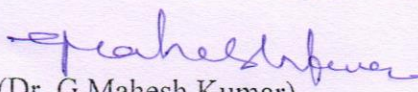
Creating Component Stairs • Modifying Component Stairs • Working with Railings • Creating Ramps

Assessment:

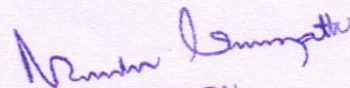
Students should obtain:

Min 80% of attendance

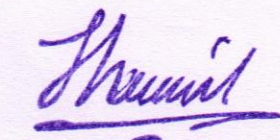
Min 80% Participation in practice session


(Dr. G Mahesh Kumar)

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SIET, TUMKUR


(Dr Hemadri Naidu)

Principal
SHRIDEVI INSTITUTE OF
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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

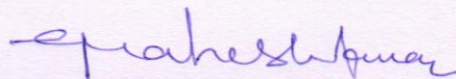
DESIGN OF SOLID SLAB

DESIGN OF FLAT SLABS

Assessment:

Students should obtain:

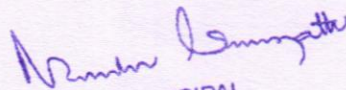
Min 80% of attendance
Min 80% Participation in practice session



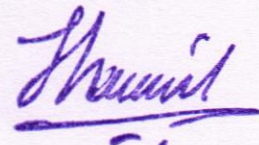
(Dr. G Mahesh Kumar)

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Dept. of Civil Engineering
SIET, TUMKUR - 6.



PRINCIPAL
SIET., TUMAKURU.



(Dr Hemadri Naidu)

Principal

PRINCIPAL

SHRIDEVI INSTITUTE OF
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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.

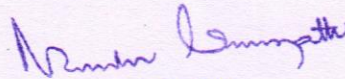
Objective:

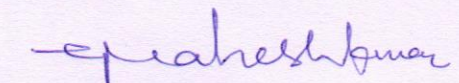
The objective of this program is to enrich student with the knowledge of industrial software and its application in various domains covering several modules falling under the umbrella of Google sketchup.

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.


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Date: 16-03-2019

REPORT ON SOFTWARE PROGRAMS IN CIVIL ENGINEERING

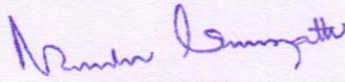
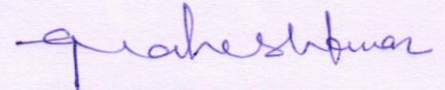
Name of the software program: Revit Architecture and Structure**No. of Resource Persons:** 1**Program duration:** 15/02/2019 to 15/03/2019**No. of Participants:** 9**Program Coordinator:** Mr. Prakash J, Assistant Professor, CED, SIET**Resource Person:** Mrs. Radika T N, Trainee Engineer, CAD Desk, Tumakuru.**Objective:**

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.


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(Dr. G Mahesh Kumar)

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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.

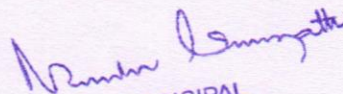
Objective:

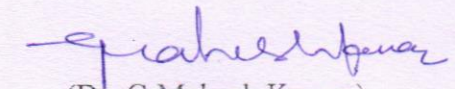
The objective of this program is to enrich student with the knowledge of industrial software and its application in various domains covering several modules falling under the umbrella of SAFE.

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.


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(Dr. G Mahesh Kumar)
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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:

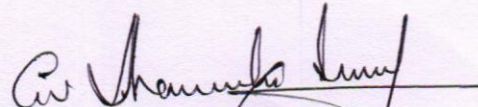
Course Name	Duration
Ethical Hacking	16 th Feb 2019 to 2 nd March 2019 (weekends)

Venue:

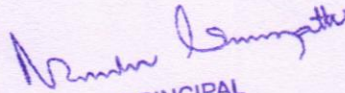
CSE Seminar Hall, Time: 9:00 am to 5:00pm



Staff Incharge



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



PRINCIPAL
SIET., TUMAKURU.

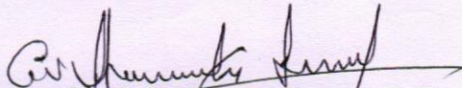
6 days Ethical Hacking Course Syllabus

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.


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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 : 16th Feb to 2nd 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 16th Feb to 2nd 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 16th 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.