



SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

Accredited by NAAC and affiliated to Anna University, Chennai

2022-23

VALUE ADDED COURSE ON REVIT ARCHITECTURE

Date:

6.2.23 to 11.2.23

SERVICE PROVIDER

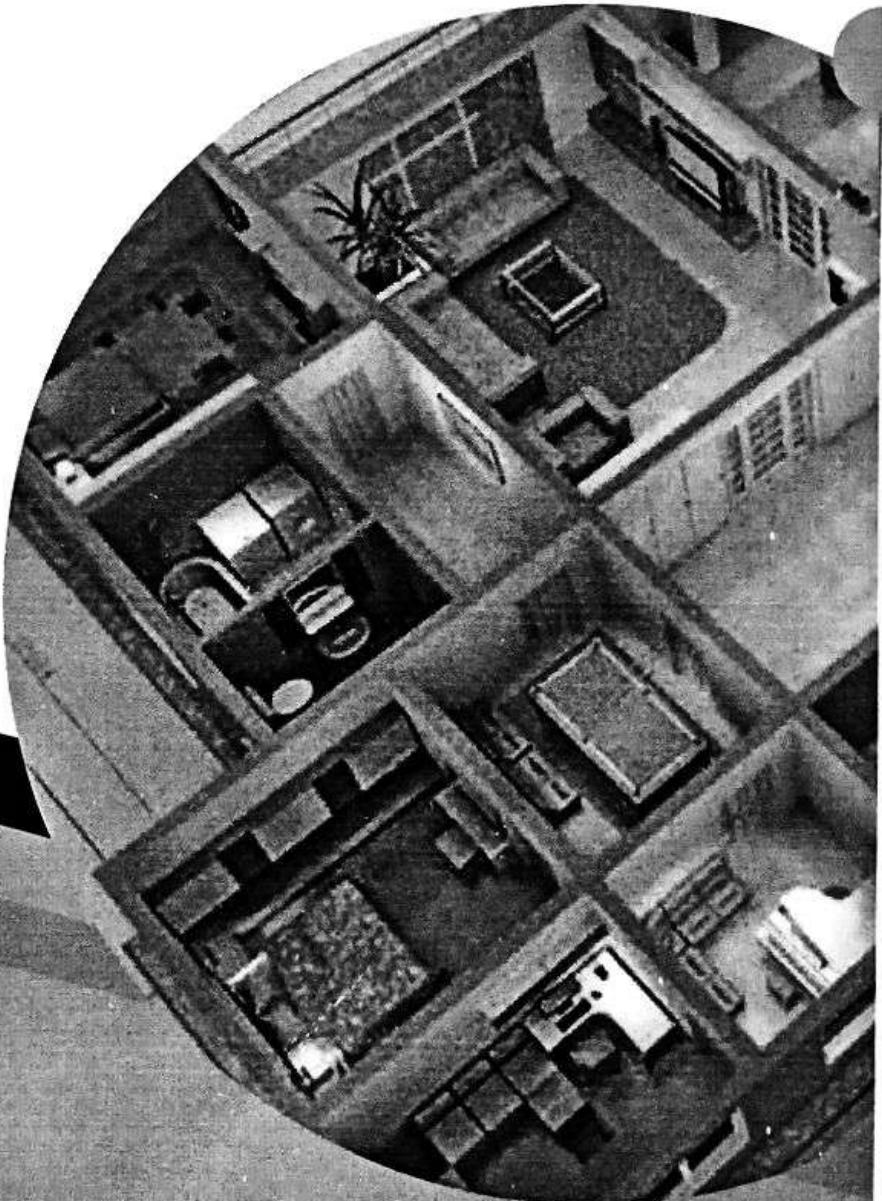
Conceppteurs Pvt Ltd,
Coimbatore.

EVENT COORDINATOR

T. Sivaganesan,
Assistant Professor,
SSM-IET, Dindigul.

COURSE CONTENT

Introduction to Revit | Floor
creations | 3D view | section |
Planview | Elevation | Lumion |
Quantity take off and cost





SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

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2022-23

**VALUE ADDED COURSE
ON
Auto CAD
2022**

Date:

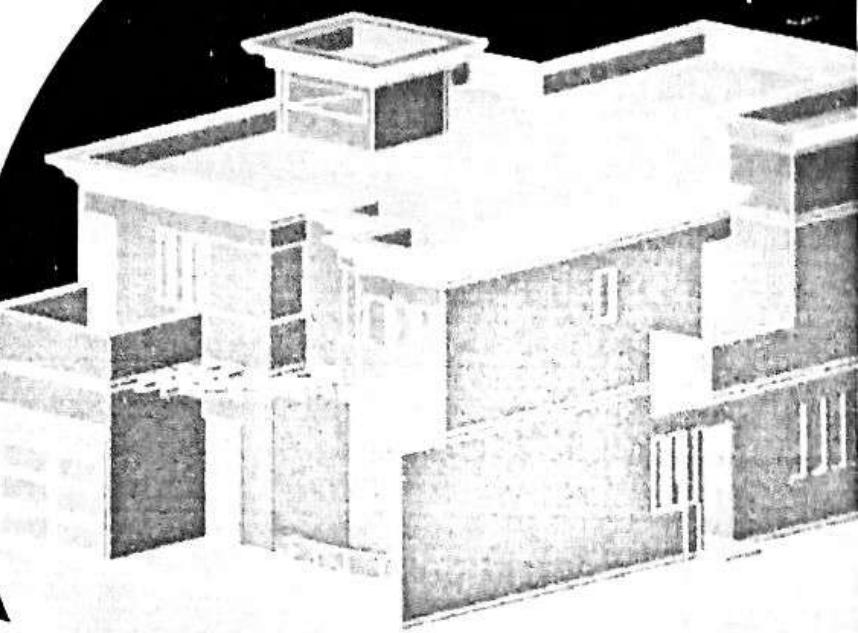
13.2.23 to 18.2.23

SERVICE PROVIDER

**BTR Construction,
Bhavani Sagar.**

EVENT COORDINATOR

**T. Sivaganesan,
Assistant Professor,
SSM-IET, Dindigul.**



COURSE CONTENT

Introduction to Auto CAD | Section and elevation | Detailing | Drafting | Painting with colors, textures and photo-matching | Enhancing and presenting | 3D models | Walk-through video.



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2022-23

VALUE ADDED COURSE

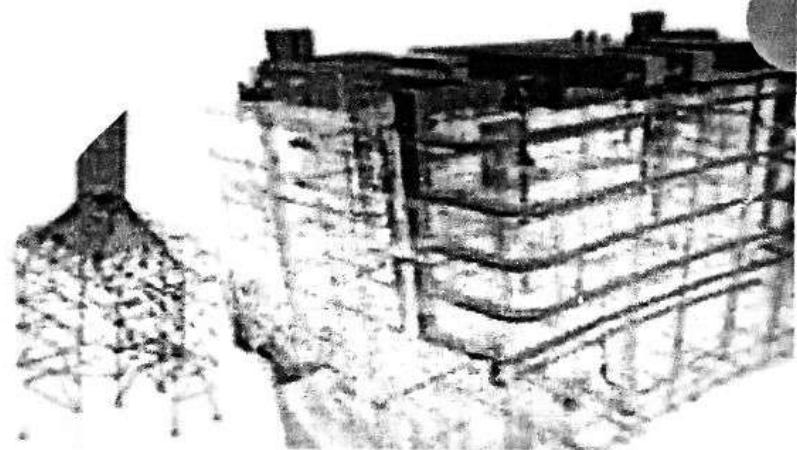
ON

STAAD.Pro

V8i

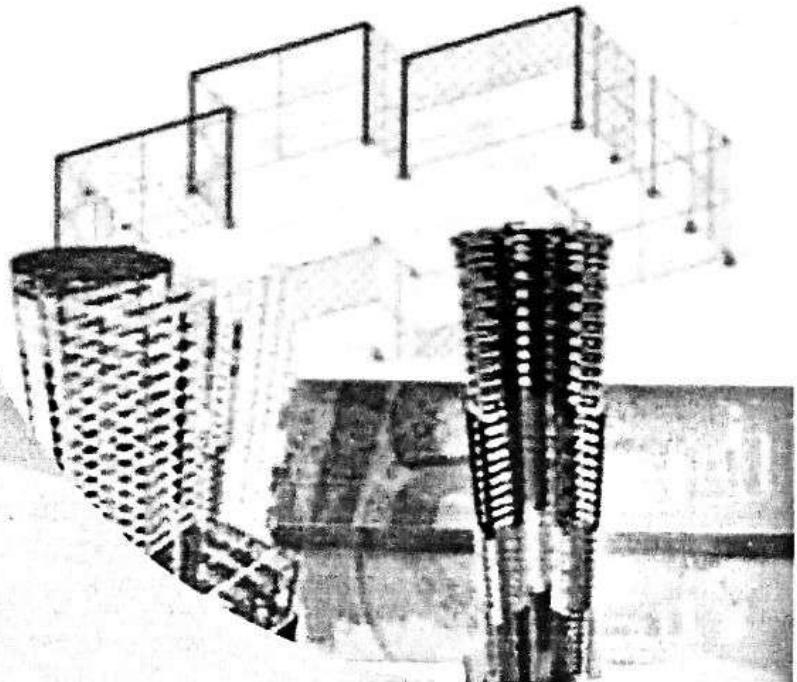
SERVICE PROVIDER

**BTR Construction,
Bhavani Sagar.**



EVENT COORDINATOR

**T. Sivaganesan,
Assistant Professor,
SSM-IET, Dindigul.**



Date:

27.2.23 to 4.3.23



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2022-23

VALUE ADDED COURSE

ON

3Ds Max

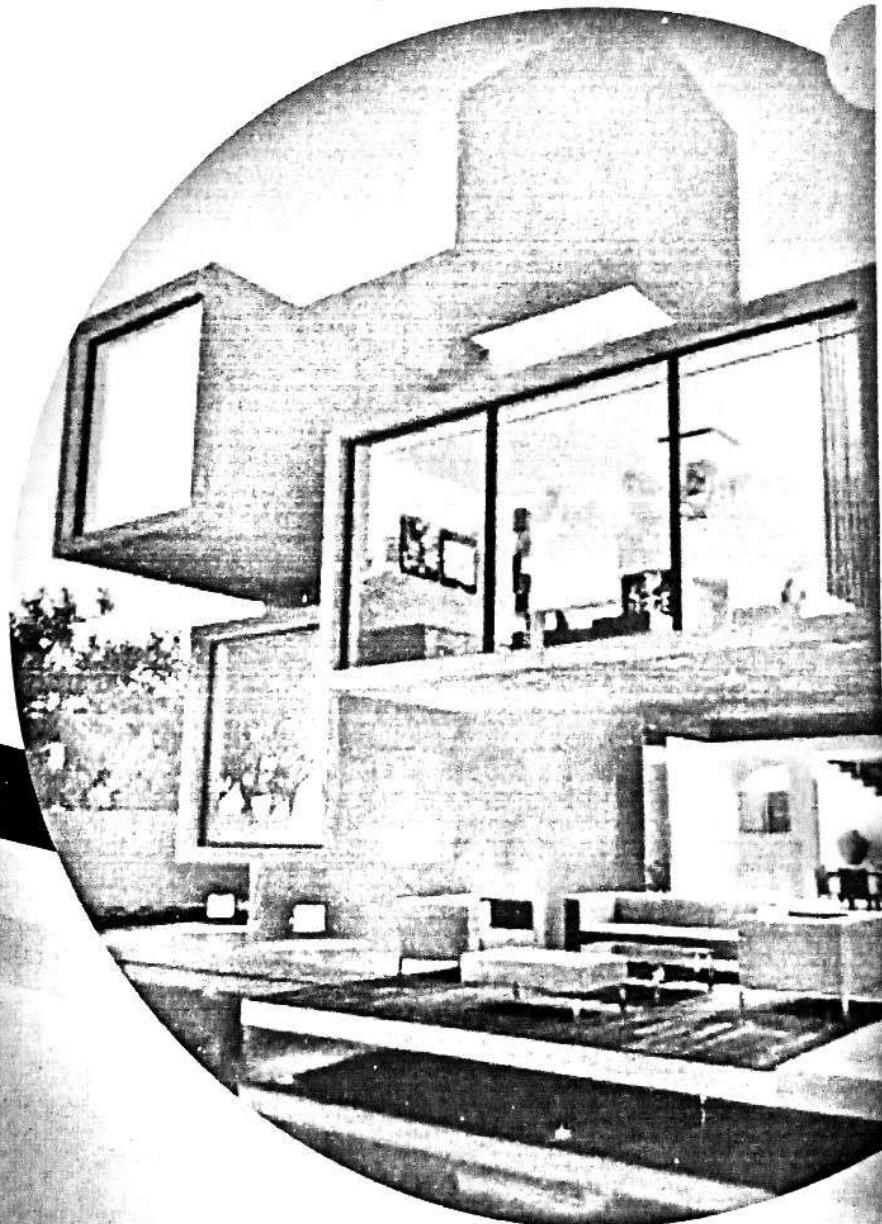
2023

SERVICE PROVIDER

**CADD Academy,
Madurai.**

EVENT COORDINATOR

T. Sivaganesan,
Assistant Professor,
SSM-IET, Dindigul.



Date:

06.3.23 to 11.3.23

13.3.23 to 18.3.23



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(Accredited by NBA – ECE, EEE & MECH UG Programs)

Dindigul – Palani Highway, Dindigul 624 002

Date: 25.01.23

CIRCULAR

It is planned to conduct Value Added Course for II, III and IV year students by Department of Civil Engineering along with Concepteurs Pvt. Ltd.

S.No	Year	Name of the Course	Period	No. of Days
1.	III Year	REVIT ARCHITECTURE	06.02.23 to 11.02.23	6 Days
2.	II & IV Year		20.02.23 to 25.02.23	6 Days

Faculty In-charge

HoD/Civil



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Dindigul – Palani Highway, Dindigul 624 002

Date: 25.01.23

CIRCULAR

It is planned to conduct Value Added Course for II year students by Department of Civil Engineering along with BTR Construction, Erode from 13.02.23 to 18.02.23.

S.No	Year	Name of the Course	Period	No. of Days
1.	II Year	AutoCAD	13.02.23 to 18.02.23	6 Days

Faculty In-charge

HoD/CIVIL



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Dindigul – Palani Highway, Dindigul 624 002

Date: 25.01.23

CIRCULAR

It is planned to conduct Value Added Course for IV year students by Department of Civil Engineering along with BTR Construction, Erode.

S.No	Year	Name of the Course	Period	No. of Days
1.	IV Year	STAAD.Pro	27.02.23 to 04.03.23	6 Days

Faculty In-charge

HoD/Civil



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Dindigul – Palani Highway, Dindigul 624 002

Date: 25.01.23

CIRCULAR

It is planned to conduct Value Added Course for III and IV year students by Department of Civil Engineering in association with CADD ACADEMY, Madurai.

S.No	Year	Name of the Course	Period	No. of Days
1.	III Year	3DS MAX	06.03.23 to 11.03.23	6 Days
2.	IV Year		13.03.23 to 18.03.23	6 Days

Faculty In-charge

HoD/Civil

Quotation for AutoCAD.

Si. No	Software	Significance
1.	Revit Architecture	A BIM tool which has created Brand equity like none other. A widely used tool amongst engineers, Architects and Project Managers

Our quote:

Foundation in Computer Aided Building information Modelling (Revit Architecture)

Course name	: <u>Foundation in Computer Aided Building Information Modelling(Revit Architecture)</u>
Faculty :	Er.S.ANTONY JEYENDRAN B.E.,M.E.,MIE.,FIV. <i>IBBI-Registered Valuer (IBBI/RV/07/2021/14472) Fellow of Institution of Valuers (F-27998)</i>
Course duration	: 48hrs (6 working days)
Course fee	: Rs.850/- per student (Rupees Eight Hundred and Fifty Only per Student)
Minimum no. of Students	: 50
Course material	: <i>Nil</i>
Deliverables	: <i>Course completion Certificate</i>



Curriculum

Day	Session		Topics
Day 1	<i>Forenoon</i>	Session 1	<ul style="list-style-type: none"> • <i>REVIT Interface</i> • <i>Units</i> • <i>Starting Projects</i> • <i>Viewing Commands</i> • <i>Setting Up Levels</i> • <i>Using General Drawing Tools</i>
		Session 2	<ul style="list-style-type: none"> • <i>Creating Structural Grids</i> • <i>Adding Columns</i>
			<i>Practice Session</i>
	<i>Afternoon</i>	Session 3	<ul style="list-style-type: none"> • <i>Editing Elements</i> • <i>Basic Modify Tools</i> • <i>Linking and Importing CAD Files</i> • <i>Modeling Walls</i> • <i>Modifying Walls</i>
		Session 4	<i>Practice session</i>
Day 2	<i>Forenoon</i>	Session 1	<ul style="list-style-type: none"> • <i>Inserting Doors and Windows</i> • <i>Loading Door and Window Types from the Library</i> • <i>Creating Additional Door and Window Sizes</i> • <i>Creating Curtain Walls</i>
		Session 2	<ul style="list-style-type: none"> • <i>Setting the View Display</i> • <i>Duplicating Views</i> • <i>Elevations and Sections</i>
			<i>Practice session</i>

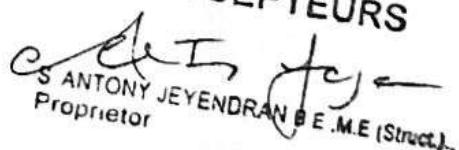


Day 3	<i>Afternoon</i>	<i>Session 3</i>	<ul style="list-style-type: none"> • <i>Adding Components</i> • <i>Modifying Components</i>
		<i>Session 4</i>	<i>Practice session</i>
	<i>Forenoon</i>	<i>Session 1</i>	<ul style="list-style-type: none"> • <i>Modeling Floors</i> • <i>Creating Shaft Openings</i> • <i>Creating Sloped Floors</i> • <i>Modeling Ceilings</i> • <i>Adding Ceiling Fixtures</i>
		<i>Session 2</i>	<i>Practice session</i>
	<i>Afternoon</i>	<i>Session 3</i>	<ul style="list-style-type: none"> • <i>Modeling Roofs</i> • <i>Creating Roofs by Footprint</i> • <i>Creating Roofs by Extrusion</i>
Day 4		<i>Session 4</i>	<i>Practice session</i>
	<i>Forenoon</i>	<i>Session 1</i>	<ul style="list-style-type: none"> • <i>Creating Component Stairs</i> • <i>Modifying Component Stairs</i> • <i>Working with Railings</i> • <i>Working with Railings</i>
		<i>Session 2</i>	<i>Practice session</i>
	<i>Afternoon</i>	<i>Session 3</i>	<ul style="list-style-type: none"> • <i>Setting Up Sheets</i> • <i>Placing and Modifying Views on Sheets</i> • <i>Printing Sheets</i> • <i>Working with Dimensions</i>



		Session 4	<i>Practice session</i>
<i>Day 5</i>	<i>Forenoon</i>	<i>Session 1</i>	<ul style="list-style-type: none"> • <i>Working With Text</i> • <i>Adding Detail Lines and Symbols</i> • <i>Adding Tags</i> • <i>Adding Rooms and Tags</i>
		<i>Session 2</i>	<i>Practice session</i>
	<i>Afternoon</i>	<i>Session 3</i>	<ul style="list-style-type: none"> • <i>Working with Schedules</i> • <i>Setting Up Detail Views</i> • <i>Schedules</i> • <i>Costing</i>
		<i>Session 4</i>	<i>Practice session</i>
<i>Day 6</i>	<i>Forenoon</i>	<i>Session 1</i>	<ul style="list-style-type: none"> • <i>Doubt Clearing session - Discussions</i>
		<i>Session 2</i>	<i>Project</i>
	<i>Afternoon</i>	<i>Session 3</i>	<i>Project</i>
		<i>Session 4</i>	<i>Project</i> <i>Feedback session</i>

On acceptance of above quote, we shall proceed with the preparation to commence the course. The course commencement shall be decided on mutual consent.

Yours Sincerely
 For CONCEPTEURS

 S. ANTONY JEYENDRAN B.E.M.E (Struct.)
 Proprietor



Online Syllabus for AutoCAD Software

- ✓ Introduction to AutoCAD & Design Basics
- ✓ Units, Limits, Drafting Settings, Selection Methods
- ✓ Draw - Line, Polyline, Rectangle, Polygon
- ✓ Modify - Erase, Move, Copy, Rotate, Trim & Extend
- ✓ Draw - Arc, Ellipse, Spline, Point, Hatch
- ✓ Modify - Array, Break, Break at point
- ✓ Draw - Region, Revision Cloud, Wipe Out, Construction Line, Ray, Donut
- ✓ Modify - Fillet, Chamfer, Scale, Lengthen, Stretch, Explode, Join, Align
- ✓ Annotation - Text, Dimensions - Property Tool bar
- ✓ Annotation - Leaders, Table, Scaling
- ✓ Layer Tool bar, Draw order
- ✓ Block & Dynamic Block
- ✓ Approval drawing Concept
- ✓ Electrical Drawing Concept
- ✓ Isometric View
- ✓ Introduction of 3D, Views, Viewports, Orbit, Visual styles
- ✓ Solid Creation, 3D Modify & UCS
- ✓ Solid Editing & Material
- ✓ Rendering Materials
- ✓ Interactive Session - 2 days

STAAD PRO V8i

Sl.No	Content
1	Introduction to basic principles of Structural, Analysis and Design
2	Co-ordinate Systems , Units
3	Model Generation, Creating Nodes & Members
4	Model Editing Tools, Select Menu, Add Beam, Insert Node
5	Support Specification, Member Property and Material Specification
6	Loading - Creating a Primary Load
7	Loading - Nodal Load , Member Load
8	Wind Load, Moving load, Creating Load Combination
9	Introduction to Analysis
10	Perform Analysis, Overview of Output Page,Pre-analysis Print and Post-analysis Print
11	RC Design - Column and beam
12	FEM Modelling , Generate Plate Mesh
13	Member Truss, Plate Load
14	Slab Design- One way and Two way
15	Shear wall Modelling and Design
16	Introduction Seismology, Dynamic Analysis, Response Spectrum Analysis
17	Water Tank Design
18	Staircase Design

3Ds MAX Syllabus

Topics:

- Introduction to Autodesk 3ds Max Design
- Autodesk 3ds Max Design Interface and Workflow
- Assembling Files by importing, linking, or merging
- 3D Modeling with Primitives and 2D Objects
- Using Modifiers to create and modify 3D objects
- Materials
- Autodesk 3ds Max Design Lighting
- Lighting with Autodesk 3ds Max Design mental ray
- Rendering and Cameras
- Animation for Visualization



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Dindigul-Palani Highway, Dindigul

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

01.02.2023

CIRCULAR

The Department of CSE has planned to conduct a **Technology Training** for **IV year - CSE** students on "**Web Development**", by CADD CAE Technology, Coimbatore from 06.02.2023 to 17.02.2023 (10 days) at CSE lab II. All our final year students are expected to attend this training without fail.

U.P.H.S , 08.02.23
21/2/23
[Signature]
Programme Co-Ordinators:
Ms. N. Padma Priya, AP/CSE
Mr.G.Murugan AP/CSE
Mrs. S. Suganya, AP/CSE

6.2.23
[Signature]
HoD/CSE
(Dr.C.Sujatha)

[Signature]
Principal
(Dr.D.Senthil Kumaran)



SSM

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ACCREDITED BY NAAC | ACCREDITED BY NBA (ECE, EEE, MECH UG PROGRAMS)

TECHNOLOGY TRAINING

FOR FINAL YEAR STUDENTS

on

WEB DEVELOPMENT

by

CADD CAE TECHNOLOGY, COIMBATORE

DATE

From 06/02/2023
To 17/02/23

VENUE

CSE lab 11

HOD/CSE
DR. C. SUJATHA

PRINCIPAL
DR. D. SENTHIL KUMARAN

WEB DESIGNING SYLLABUS

No. of days = 10

Total Hours: 60

HTML: (2 days => 12 hrs)

- Introduction to HTML
- Basics of HTML
 - Browsers and HTML
 - Editor's Offline and Online
 - Tags, Attribute and Elements
 - Doctype Element
 - Comments
- Headings, Paragraphs, and Formatting Text
- Lists and Links
- Images and Tables
- Forms and Inputs
- Formatting Tags

CSS:

- CSS Basics & Selectors
- CSS Styles Forms
- CSS Colors & Backgrounds
- CSS Margins & Padding
- CSS Width & Height
- CSS Links
- CSS Blocks

BOOTSTRAP:

- What is Bootstrap?
- Bootstrap Button

- Bootstrap Dropdown
- Bootstrap Modal
- Bootstrap Popover
- Bootstrap Tooltip
- Bootstrap Tabs

JAVASCRIPT: (3 days => 18 hrs)

DOM Manipulation

JavaScript HTML DOM changing CSS, Javascript HTML DOM Animation, DOM Events, Event Listener, DOM Navigation, DOM Elements (Nodes), DOM Node Lists.

Client Side Validation

Forms validation.

HTML Fetch API

Fetch API, Fullscreen API, Geolocation API, History API, MediaQuery List Object, Storage API, Validation API and Web API.

Callbacks

Function Sequence, Sequence Control.

Promises Object

JavaScript Async/Await

Async and Await

Node.js: (3 days => 18 hrs)

- Node.js Basics for front-end
- What is Node and npm?
- Third Party front-end Modules
 - HTTP Modules
 - URL Modules
 - Events
- Node.js Upload Files
- Node.js Email

Reactjs: (2 days => 12 hrs)

- Reactjs Basics
- Functional Components
- Class, props, Events, Conditionals
- Lists, Forms, Router, Memo
- Reactjs CSS Styling, Sass Styling
- Basics Hooks (useState, useEffect, useContext)
 - useRef
 - useReducer
 - useCallback
 - useMemo
 - Custom Hooks

2 ✓



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Dindigul-Palani Highway, Dindigul

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

14.02.2023

CIRCULAR

The Department of CSE has planned to conduct a **Technology Training** for **III year - CSE** students on "**Data Science using Python**", by CADD CAE Technology, Coimbatore from 20.02.2023 to 03.03.2023 (10 days) at CSE lab I. All our third year students are expected to attend this training without fail.

*C. Prabhu
14/2/23*

Programme Co-Ordinators:

Dr.G.Prabhu, ASP/CSE
Mrs.K.Sureka, AP/CSE
Mrs. N.J Divya, AP/CSE

*G. L. K
14/2/23*

HoD/CSE
(Dr.C.Sujatha)

D. Senthil Kumaran

Principal
(Dr.D.Senthil Kumaran)



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ACCREDITED BY NAAC | ACCREDITED BY NBA (ECE, EEE, MECH UG PROGRAMS)

Technology Training

Data Science using Python

by CADD CAE Technology, Coimbatore

For III Year CSE



Date

From 20.02.2023
to 03.03.2023



Venue

CSE lab II

HOD/CSE

Dr. C. Sujatha

Principal

Dr. D. Senthil Kumaran

Mini-Project 1:

Use NumPy to mean normalize an array and separate it into several smaller ND arrays.

PANDAS BASICS

Learn to use Pandas to load and process data for machine learning problems.

Mini-Project 2:

Use Pandas to plot and get statistics from stock data

MATPLOTLIB BASICS

Learn how to use Matplotlib to choose appropriate plots for one and two variables based on the types of data you have.

Assignments:

- Change the legend position in Matplotlib
- How to Change Legend Font Size in Matplotlib?
- How Change the vertical spacing between legend entries in Matplotlib?
- Use multiple columns in a Matplotlib legend
- How to Create a Single Legend for All Subplots in Matplotlib?
- How to manually add a legend with a color box on a Matplotlib figure?
- How to Place Legend Outside of the Plot in Matplotlib?
- Remove the legend border in Matplotlib

Project:

- Gender Detection and Age Prediction
- Sentimental Analysis
- Project on Diabetic Retinopathy
- Loan Prediction

Data Science with Python

Duration - 40 hours

Course objective:

This program is intended to students have in-depth knowledge of the many approaches, aptitudes, methodologies, and instruments needed to deal with corporate data. Courses provide specialized knowledge and instruction in statistics, programming, algorithms, and other analytical subjects. Students receive instruction in the abilities needed to find the needed solutions and assist in making significant judgments.

Course Modules:

- Introduction to Data Science
- Mathematical and Statistical Skills
- Machine Learning Algorithms
- Data Warehousing
- Data Mining
- Data Visualization
- Project Deployment Tools
- Predictive Analytics and Segmentation
- Exploratory Data Analysis

Library Required:

- NumPy
- Data wrangling
- Data exploration
- Data visualization
- Hypothesis building
- Pandas
- Matplotlib

ANACONDA:

Learn how to use Anaconda to manage packages and environments for use with Python.

JUPYTER NOTEBOOKS

Learn how to use Jupyter Notebooks to create documents combining code, text, images, and more.

NUMPY BASICS

Learn the value of NumPy and how to use it to manipulate data for AI problems.



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Dindigul-Palani Highway, Dindigul

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

28.02.2023

CIRCULAR

The Department of CSE has planned to conduct a Technology Training for II year - CSE students on "Web Technology", by SILICON SOFTWARE SERVICES, Madurai from 06.03.2023 to 17.03.2023 (10 days) at CSE lab II. All our Second year students are expected to attend this training without fail.

Programme Co-Ordinators:
Mrs.M.Moohambikai, AP/CSE
Ms.N.Anu Lavanya, AP/CSE
Mrs. J.Dhanalakshmi, AP/CSE

G.LK
29/2/23

HoD/CSE
(Dr.C.Sujatha)

Principal
(Dr.D.Senthil Kumaran)



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Technology Training on Web Technology

FOR SECOND YEAR CSE STUDENTS

DATE

MARCH 6TH - 17TH 2023

VENUE

CSE LAB-II

HOST

SILICON SOFTWARE SERVICE

HOD/CSE

DR. C. SUJATHA

PRINCIPAL

DR. D. SENTHIL KUMARAN

SILICON SOFTWARE SERVICES

- CSS Pseudo – element

Day 5: JAVASCRIPT

- JS Introduction
- Where to use JS
- JS statements
- JS Comments
- JS Syntax
- JS Variable
- JS let,const and var keyword
- JS operators

Day 6: JAVASCRIPT

- JS Functions
- JS Objects
- JS String
- JS Number
- JS Arrays
- JS Date
- JS Math
- JS OOPs concepts
- JS JSON
- JS Arrow Function
- Looping

Day 7: Introduction to Angular JS (Front End Framework)

- Angular JS Expressions
- Angular JS Modules
- Angular JS Directives
- Angular JS Model
- Angular JS Data Binding

Day 8: Continuation of Angular JS

- Angular JS Controllers
- Angular JS Scopes
- Angular JS Filters
- Angular JS Services
- Angular JS HTTP

SILICON SOFTWARE SERVICES

Web Technology Syllabus:

51

Day 1 & 2: HTML

- Basic
- Elements
- Attributes
- Links
- Images
- Tables
- Lists
- HTML Block & Inline
- HTML Classes
- HTML Id
- HTML Iframes
- HTML Layout
- HTML File paths
- HTML Responsive
- HTML Forms & Attributes
- HTML Media details

Day 3 & 4: CSS and its concepts:

- CSS Syntax
- CSS Selectors
- CSS Colors
- CSS Backgrounds
- CSS Borders
- CSS Padding
- CSS Height/Width
- CSS Text
- CSS Fonts
- CSS Links
- CSS Z-index
- CSS Position
- CSS Float
- CSS Inline-block
- CSS Pseudo – class

SILICON SOFTWARE SERVICES

- Angular JS Tables
- Angular JS Select
- Angular JS SQL

Date 9:

- Angular JS DOM
- Angular JS Events
- Angular JS Forms
- Angular JS Validation
- Angular JS API

Date: 10

- Angular JS Includes
- Angular JS Animations
- Angular JS Routing
- Angular JS Application

Commercial:

1500

Cost per student: Rs. 2500 (Excluding GST)

Requirements:

- Trainer Accommodation.
- Internet facility.

150
650
8750
1050
1531



SSM Institute of Engineering and technology

Dindigul - Palani Highway, Dindigul - 624002

(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai, Accredited by NAAC)

Department of Electrical and Electronics Engineering

organizes

six days Technology Training on

" Industrial Robotics "

For III and IV year students of EEE

from 06.03.2023 to 11.03.2023

Trained by

Axis Global Automation, Coimbatore

Co-ordinators

Mr.D.Manoj,AP/EEE
Mr .P.Siva subramanian,AP/EEE

HoD/EEE

Dr.G.Mohanbabu

Principal

Dr.D.Senthil kumaran

All are invited



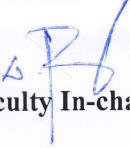
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Dindigul-Palani Highway, Dindigul-624002

CIRCULAR

25/02/2023

This is to inform that six days training program on **INDUSTRIAL ROBOTICS** is going to conduct for IV & III year EEE students from 06.03.2023 to 11.03.2023 by Axis global automation, Coimbatore. All the students are informed to attend and enrich your knowledge.


Faculty In-charge


HOD/EEE

OFFER No: AGIIT/VAP/CBE/22-23/115 **OFFER DATE:22.02.2023**

CUSTOMER : SSM Institute of Engineering and Technology

KIND ATTEN :Mr.MANOJ

TRAINING PROGRAM: VALUE ADDED PROGRAM (VAP)

CONTENTS:

- 1. INTRODUCTION**
RESEARCH & DEVELOPMENT TEAM
- 2. TRAINING METHODOLOGY**
- 3. TRAINING HIGHLIGHTS**
- 4. TRAINING BENEFITS**
- 5. SPECIFIC AREAS OF EXCELLENCE**
- 6. OUR GLOBAL PRESENCE**
- 7. OUR TRAINING BRANDS**
- 8. OUR CLIENTS**
- 9. TERMS & CONDITIONS**

1. INTRODUCTION

Axis Global Automation Group of Companies is one of India's leading Industrial Automation and Robotics Engineering Solution provider. The company provides complete turnkey solutions for the automation needs of all industries. The company has a dedicated manufacturing unit for control panels. The company is the industry channel partner for Yaskawa Motoman in India. Key industries catered to include automotive industries, manufacturing and process industries, food & beverage industries, oil & gas, chemical, biotechnology and pharmaceutical industries.

Our Services include:

- Engineering & Consulting in Automation – Controls – Robotics
- Installation & Commissioning Services
- Maintenance & Field Services
- New Product Development
- Control Panel Manufacturing
- Special Purpose Machines (Laser Cutting Machines etc.)
- Machine Tending Services (Automated and Robotics Systems)
- Retrofit Projects

Axis Global Automation today is a multi-faceted business group with interests in two business domains including:

1. Industrial Automation & Robotics System Integration
2. New Product Development (Special Purpose Machines, Customized Robotic Solutions, etc.)
3. Technical Training

Axis Global Institute of Industrial Training (AGIIT) is the leading Industrial Automation

CORPATE OFFICE : #33, KATHIR AVENUE,AANDAL STREET, LAKSHMIPURAM , HOPES COLLEGE, COIMBATORE-641004
PHONE NUMBER:0422-4276113,+91 9655 758 759
www.agatrg.com

& Robotics technical training campus in India. We offer real-time, hands-on industry oriented training in technologies such as PLC, SCADA, DCS, HMI, VFD, Servo as well as Robotics. We are the exclusive training partner for Yaskawa Motoman Japan and also have strategic training partnerships with OEMs such as Horner, Siemens, and Wago.

Research & Development Team:

The industrial experts from Axis Global Automation run a R&D unit that is responsible for ensuring that our industrial solutions meet global standards and enable our clients achieve operational excellence. Our R&D unit is also responsible for constantly upgrading our technical training content to ensure that we stay abreast with the development in the automation and robotics sector.

2. TRAINING METHODOLOGY:

- Hands-On practical training
- Live Demonstrations
- Work on real-time industrial projects
- Industry Expert Lectures & Seminars for Learning the current technology trends
- Case Studies for conceptual training

3. TRAINING HIGHLIGHTS:

- Fully Equipped Advanced Lab
- Mobile Training Unit for Training Off-Campus
- Hands-on, Practical, Industry Oriented Training
- Case Studies For Various Processes

- Individual Focus
- Industry Experts as trainers
- Real Time Projects
- On-site Industrial Training

4. TRAINING BENEFITS:

- Understand the need and application of automation in industries
- Comprehensive programming, designing and troubleshooting knowledge on automation and robotics tools and technologies
- Enable selection, deployment and maintenance of automation and robotics tools in the industries
- Practical training that enables candidates to be deployed immediately on-the-job

5. SPECIFIC AREAS OF EXCELLENCE:

Oil & Gas

Automotive & Transportation

Food & Beverages

Pharmaceuticals

Machine Builder Solutions (OEM)

Building Management Systems

Metals, Mining, Cement

Paper, Pulp and Sugar Printing,

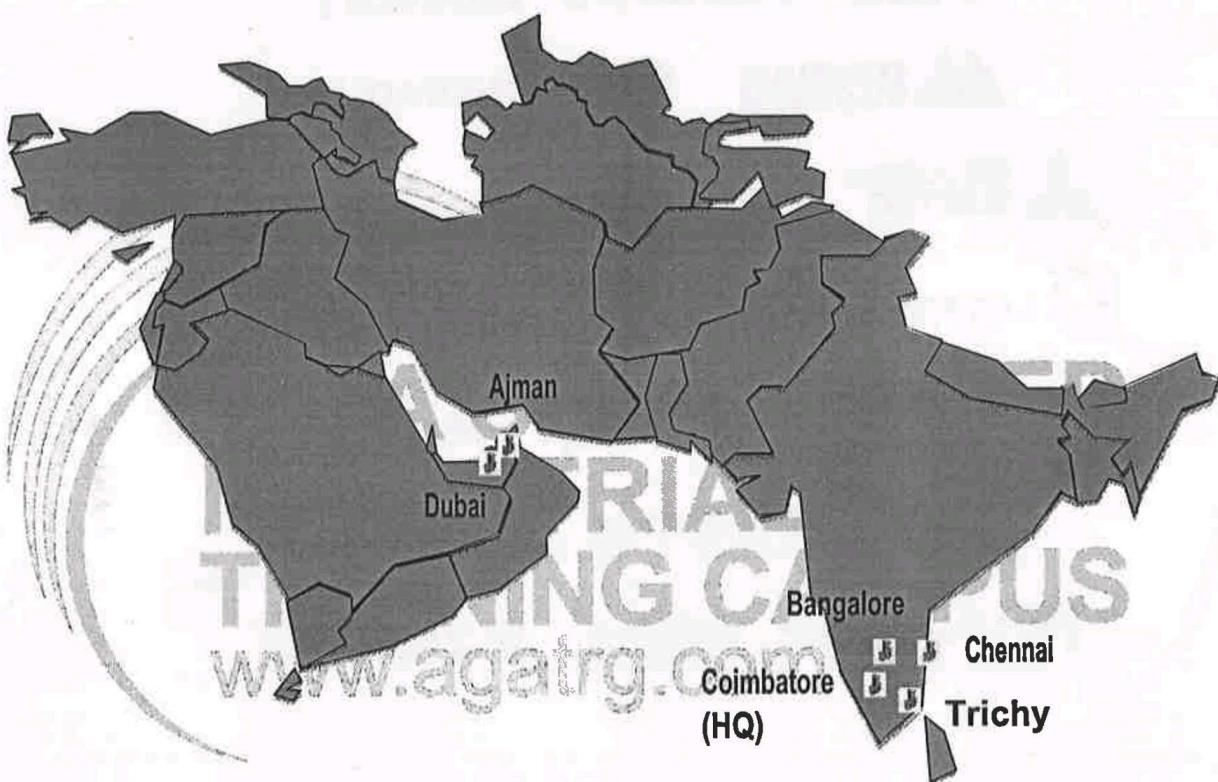
Packaging & Publishing

Textile & Fiber

Power and Electricity

Water, Waste-water Plants

6. OUR GLOBAL PRESENCE:



7. OUR TRAINING BRANDS:

ABB | SIEMENS | OMRON

MESSUNG | AB ALLEN-BRADLEY

**MITSUBISHI
ELECTRIC**

**HORNER
AUTOMATION GROUP**

DELTA

LARSEN & TOUBRO

FANUC

Wunderware

KEYENCE

Panasonic

Honeywell

LG

**CONTROL
TECHNIQUES**

**Schneider
Electric**

Fuji Electric

WAGO

YASKAWA

8. OUR CLIENTS:



YAMAHA



MRF

TOSHIBA
Leading Innovation >>>

apollo



Rane
Expanding Horizons

PEPSICO

SAINT-GOBAIN



caparo

Axles India Limited

YASKAWA TAFE



MOBIS



pricol
Better Lives for a better planet

**Hindustan Unilever
Limited**

UNITED SPIRITS

**SAB
MILLER**



TIDEL

**BRIGADE
GROUP**



GEDEE WEILER



SODECIA

Pengalur Roofings Pvt. Ltd.

POPE
PROFESSIONAL
One World One Sound

Techzone
Engineering,
Chennai

www.agatrg.com

Customized Training Clients



Brakes India Limited



Wheels India Limited



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PHONE NUMBER:0422-4276113,+91 9655 758 759

www.agatrg.com

9. VALUE ADDED PROGRAM PROPOSAL & OVERVIEW:

S.No	Training On	Duration in days 7hrs /day	Fees per student (plus 18% GST)
1.	Certified in Industrial Robotics [PLC & ,YASKAWA MOTOMAN, MOTOSIM S/W SIMULATION	5 Days	2000/-

Our Services

**Industrial Based Training | Industrial Based Projects |
Industrial Workshops Industrial Seminars | Guest
Lectures | Staff Training | Industrial Visit | Placements
Institutional Lab Requirements | Industrial Lab
Requirements**

**Center of Excellence (COE) – Advanced Research Lab
for Robotics & Automation**

Thanks & Regards

Sudhakar. S

Sr.Business Development
Engineer
AGIIT
9655 758 759 & 9841 731 732

***From Axis Global Automation:**

1. Trainers
2. Necessary Software & Materials as per the training Modules
3. Certificates from our end after completion.

***From College:**

1. Student strength of Minimum 45 Nos
2. Seminar Hall, Classroom Facilities, LCD Projector & Speakers system
3. Lab Facilities with upgraded XP-2 OS systems (Max. 2 Student per system)
4. Accommodation Facilities & Food Facilities for our Trainers, if applicable
5. Vehicles Facilities for Transportation of Materials, if applicable

10. TERMS & CONDITIONS

PAYMENTS, DUTIES & TAXES:

1. The prices quoted are exclusive of 18% GST (i.e. Central GST/ State GST).
2. TDS @ 10% Extra as May applicable at the time of Training.
3. 100% of Training fees payment should be receipt at the time of 100% training completion.

SSM Institute of Engineering and Technology, Dindigul

Dindigul – Palani Highway, Dindigul – 624 002

(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai, Accredited by NAAC)

Department of Electrical and Electronics Engineering

Organizes

Six days Technology Training on

“Product Design and Manufacturing”

From: 10.10.2022 to 15.10.2022

Resource Person



Mr.S.Sundaramoorthy
CEO, Sunshine Electronics Solutions,
Coimbatore.

RegistrationLink: <https://forms.gle/NVXNHCyMFcrvoigd8>

(For III and II -year students of EEE)

Co-ordinators

**Mr.D.Manoj,A.P/EEE
Mr.P.Siva Subramanian,
A.P/EEE**

HoD/EEE

Dr.G.Mohanbabu

Principal

Dr.D.Senthil Kumaran

ALL ARE INVITED



SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

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Dindigul-Palani Highway, Dindigul-624002

CIRCULAR

7/10/2022

This is to inform that six days training program on **PRODUCT DESIGN AND MANUFACTURING** is going to conduct for II year EEE & III YEAR students from 10.10.2022 to 15.10.2022, by Sunshiv electronics Dindigul. All the students are informed to attend and enrich your knowledge.

Faculty In-charge

HOD/EEE

29-09-2022

To,
The HOD -EEE
SSM college of Engineering & Technology
Dindigul.

Dear sir,
Greetings from SUNSHIV ELECTRONIC SOLUTIONS, Coimbatore.
Thank you for choosing our industry for 6 days practical industrial training to our students.
I assure all our students will become as industry ready engineers by our exclusive hands-on practical training which are badly expected by Core & IT industries.

Topics for our 6 days training:

1. PRODUCT DESIGN AND MANUFACTURING :

- *Live Demo of electrical and electronics components(value finding and working principle)
- *Computer Aided Drafting (Practical Training)
- *Circuit creation for industrial applications
- *Circuit creation simulation softwares
- *PCB Designing(single and Multi layer PCB)
- * Trouble shooting of Products, Machines & Instruments
- *Product Manufacturing (2 products/ student) (All soldering tools , pcb , components will be arranged by us) - TWO Take away products

2. Industrial EMBEDDED PROGRAMMING USING PIC MICRO CONTROLLER :

- * C keywords with applications
- * PIC IC architecture and PIN configuration
- * SENSORS - Digital & Analog
- * Circuit creation for micro controller products
- * I/O PORTS (ROBOTIC) Programming
- * TIMER programming
- * ADC (Analog sensors interfacing)
- * Programming 7 seg. Display & sensors interfacing
- * MPLAB, REAL PIC SIMULATOR & SIMULIDE software training
- * IOT(Internet Of Things) –Data storing in CLOUD.
- * Programming for industrial applications (50 products and more)



Your Technical Friend

SUNSHIV
Electronic Solutions
Since 1994

ELECTRONIC CORE INDUSTRY

PCB Designing & Manufacturing
Industrial Automation Products
Electronics / Embedded / PLC Training
In-plant / Internship Training
3D Modeling & Printing

Training schedule for our 6 days industrial training

1. PRODUCT DESIGN AND MANUFACTURING :

Day1

Forenoon :

Live Demo, value finding, identification, working principle of electronic components and circuits & Drafting fundamentals
@ conference hall

Afternoon :

Hands on – Computer Aided Designing & Drafting
@ computer lab

Day2 :

Forenoon

INDUSTRIAL PCB DESIGNING – single & Multilayer
@ Conference hall

Afternoon :

PCB DESIGNING (Single & multilayer) – PRACTICAL
@Computer lab

Day 3 :

Forenoon :

Two individual products manufacturing & Testing

@ Electronics lab

(All equipments, soldering iron, stand , lead, pcb & components will be arranged by our industry)

Afternoon :

Circuit Creation for industrial and domestic electronic products &

Trouble shooting of Components, Products & instruments

(All multimeters , components will be arranged by our industry)

2. Industrial EMBEDDED PROGRAMMING USING PIC MICRO CONTROLLER :

Day 4 :

Forenoon

C keywords with applications

PIC IC architecture and PIN configuration

I/O PORTS (ROBOTIC) Programming

- With Source code & hardware explanations

@ Conference hall

Afternoon :

Robotic I/O , MPLAB & REAL PIC SIM programming – PRACTICAL

@ Computer lab (Or conference hall with laptops)

Day 5 :

Forenoon

SENSORS - Digital & Analog

Circuit creation for micro controller products

TIMER programming with live applications & SFRs

7 Seg. Display interfacing programming

SIMULIDE Software training

Afternoon:

Timer Programming & simulation - Practical

@Computer lab (Or conference hall with laptops)

Day 6 :

Forenoon

ADC - Analog sensors interfacing

Programming for Industrial applications (50 products and more)

Afternoon:

Analog sensor Programming & simulation - Practical

How to become an ENTREPRENEUR?

How to get outsourcing orders from Industries on your studying period?

How to get Industry Projects & Internships?

Feedback session

Training certification

@Computer lab (Or conference hall with laptops)

Outcome of our exclusive practical training:

1. Our trainings are purely practical oriented.
2. Participants can create drawings, Circuits, Programs for any industrial applications on their own.
3. All Participants can trouble shoot machines, instruments and PCB kits.
4. Participants will meet all the expectations of IT & Core industries.
5. Participants can manufacture their projects by their own at our college premises (No need of project centers)
6. Industrial certification (Training , Internship certificates)
7. Our Industry visit & follow up session after training

Note :

Minimum students batch - 70

Maximum students batch – 140

Fees :

For 6 days training with two individual take away products

Rs 1950 / Participant – for cash payment

(For cheque or bank transfer Taxes will be extra)

Thank you.

Regards

S.SUNDARAMOORTHY, CEO, 9842202351
SUNSHIV ELECTRONIC SOLUTIONS,
COIMBATORE.



SSM Institute of Engineering and Technology

*sindalagundu post, Dindigul-624 002, Tamilnadu. pH: 0451-2448800
(Approved by AICTE, Affiliated to Anna University, Chennai Accredited by NAAC)*

Department of Electrical and Electronics Engineering

Organizes

**Ten days Technology Training On
" Industrial Automation using
PLC / SCADA "**

For III year and IV year students of EEE

**from (20.02.2023 to 24.02.2023
&
27.02.2023 to 03.03.2023)**

Trained by

Spot Light Technology, Dindigul

Co-ordinators

Mr.D.Manoj,AP/EEE
Mr.P.Siva Subramanian,AP/EEE

HoD

Dr.G.Mohanbabu

Principal

Dr.D.Senthil kumaran

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Dindigul-Palani Highway, Dindigul-624002

CIRCULAR

17/02/2023

This is to inform that ten days training program on **INDUSTRIAL AUTOMATION USING PLC \ SCADA** is going to conduct for II year EEE students from 20.02.2023 to 24.02.2023, 27.02.2023 to 03.03.2023 by Spot light Technology Dindigul. All the students are informed to attend and enrich your knowledge.

Faculty In-charge

HOD/EEE

FACULTYNAME: STEPHEN GASPAR A

COURSE: PLC & SCADA

SYLLABUS

- Introduction
- Industrial Automation
- PLC
- About PLC & Brands
 - programming methods in PLC
 - Ladder Logic Diagram
 - Functional Block Diagram
 - Structured Text
 - Flow Chart
- Programming exercise

- Introduction to cx-programmersoftware
- Tools in software

- Implementing programs in software
- Simulation
- Practical session

- PLC
 - Generate PLC Layout Modules
 - PLC parametric selection
 - Module layout
 - Insert PLC modules
 - Edit PLC module

PLC Database File

- SCADA Introduction
 - Designing the layout
- Library
- Alarm
- Trends
- Recipe
- ODBC
- OLE
- Project
- Kit training
- PLC with SCADA linking

DEPARTMENT OF ECE

ORGANIZES

“Technology Training on Robotics, Drones & IoT ”

RESOURCE PERSON



BALAJI VARADHAN
Program Co-ordinator
Village Technology School
Chennai.



Date: 13-02-2023 to 17-02-2023
Time : 09.00am -04.00 pm
Venue: Network Lab

This is an Tentative Date. Subject to Change based on Requirements

Co-ordinators
Dr. M.Jeyalakshmi
Dr.K.Ganapriya

Faculty Incharge
Mrs.A.Geetha
Mrs.G.Saranya

HoD
Dr.S.Karthigai Lakshmi

Principal
Dr. D. Senthil Kumaran

All are cordially invited



SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

Dindigul – Palani Highway, Dindigul – 624 002.

Email:ssmietdgl@gmail.com, Website: www.ssmiet.ac.in

Department of ECE

CIRCULAR

27.01.2023

Department of ECE has planned to conduct "Technical training on Robotics, Drones & IoT" from 06.02.23 to 10.02.23 for second year ECE students. The main objective of this training is to create awareness on methodology of manufacturing products to meet the emerging demands in Industries. Henceforth, students are requested to attend this technical training and get benefitted.

Venue : Networks Lab

Resource Person: **Balaji Varadhan**
Program Co-ordinator
Village Technology School
Chennai.

1.
2.
Coordinators

1.Dr.M.Jeyalakshmi
2.Dr.K.Ganapriya

1.
2.
Faculty Incharge

Mrs.A.Geetha
Mrs.G.Saranya

Dr. S. Karthigai Lakshmi

PRINCIPAL
Dr. D. Senthil Kumaran

HOD/ECE

SYLLABUS

Introduction to Internet of Things (IoT), Smart IoT device. IoT computing. IoT components. AI & IoT concept, Embedded board & Programming Languages. Introduction to Arduino. Basic I/O. IoT simulator. Digital Input-Output. Analog Input-Output. IoT connectivity. IoT application. Tool and supplements. IoT network protocol. Setup docker desktop. IoT applications. Case Study: Temp/Humid Monitoring and Control Node-RED Simulation/ Node-RED Brain Process / Databases / Grafana. Introduction to Robotics. Robot Types. Robot Mechanics. Robot Controller. Sensors and actuators. Robot Kinematics. Concepts of kinematics. Notation and Matrix Representation.

OUTCOME:

To give experience of deep learning and it will be classified into individual hackathon projects, small group projects, and big bang group projects

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DEPARTMENT OF ELECTROINCS AND COMUNICATION ENGINEERING

“Embedded IOT”

Date :20-02-2023 -25.02.2023

Time: 09.00am to 04:00 pm

Venue : Seminar Hall - I

Speaker



Mr Madhavapandian
Technical Head,
Tessolve Semiconductor Pvt. Ltd,
Bengaluru.

Co-Ordinators
Mr.R.Carol Praven Ap/ECE
Mr..R.Senthil kumar,AP/ECE

HoD/ECE
Dr.S.Karthigai Lakshmi

Staff incharge
Mr.V.P Jay FantinAp/ECE
Ms.R.Sangeetha,AP/ECE

Principal
Dr.D.Senthilkumaran

All are Cordially Invited

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CIRCULAR



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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

CIRCULAR

17.02.2023

The Department of ECE has planned to conduct the Technology Teaching for Third year students on "Embedded IOT" scheduled to be conducted between 20.02.2023-25.02.2023. The main objectives of this training are to learn about basics of Microcontrollers and Arduino Leonardo Embedded IOT. Students are instructed to attend this six days (48 hours) training and get benefited

Name of the company: Tessolve Semiconductor Pvt. Ltd

Resource person details:

1. Mr Madhavapandian, Bangalore
Technical Head
Embedded System Design

2. M. Marimuthu, Bangalore
Technical Consultant
Internet of Things

20/2/2023 R.S 17/2/23
Class in-charge

Mr.R.Carol Praveen, AP/ECE
Mr.R.Senthil Kumar, AP/ECE

20/2/2023 R.S 17/2/23
staff in-charge

Mr.V.P.Jay Fantin AP/ECE
Ms.R.Sangeetha, AP/ECE

*S.Karthigai
17/2/23*
HoD/ECE

Dr.S.Karthigai Lakshmi



SYLLABUS

EMBEDDED IOT- 6 DAYS TRAINING PROGRAM



Embedded IOT Course Content and Schedule

	Embedded Application		, Processor Architecture, Applications
2	Introduction To Energia IDE	L	Energia IDE Introduction and Explore
3	Tools	L	C Compiler Installation, Privileges, Compilation Process
4	Embedded C	L	Embedded C Basics, Project Creation and Verification Of Compiler, Simulator Functionalities
5	I/O Port Output Interference	L/H	I/O Port Basics - Output, Application and Exercise
6	Serial Monitor Interference	L/H	Serial Monitor - Output, Application and Exercise
7	ADC Interfacing	L	ADC And Comparator Basics, Requirement, Configuration, Exercise
8	Sensor Interface	L/H	Sensor Interface With Task Execution
9	Peripheral-I/O Port Led Interface	L/H	I/O Port Basics, Configuration - Output, Application and Exercise
10	Peripheral - I/O Port, Keypad Interface	L/H	Configuration - Output, Application and Exercise
11	Peripheral-I/O Port Lcd	L/H	Basics Of LCD Interface, 4bit and 8bit Modes Of Operation, Exercise - 8bit Mode
12	Peripheral-Timer	L/H	Interrupts, Basics Of Timer, Internals and Hardware Configurations Of Timer, Modes, Exercise
13	Peripheral - ADC, Comparator	L	ADC & Comparator Basics, Requirement, C configurations, Exercise
14	Peripheral-UART	L/H	Basics Of Serial Communication, Configuration, Transmission and Reception
15	Peripheral-Spi, I2c	L	Basics Of Spi and I2c Configuration, Rtc Interface, Exercise
16	RTOS	L	Real Time Task on Embedded System

17	IOTIntroduction	L	Overview Of Iot And Its Road map, Opportunities
18	IOT-Thing speak Login	L/H	Creation Of Thing speak Page And Exercise On Web Browser With Different Web pages To Control The Hardware
19	IOT-Upload Thing speak	L/H	Getting Connected With Thing speak Cloud Platform And Sending Sensor Information
20	IOT-Data Acquisition	L/H	Sensor Data Acquisition Using Thing speak Server
21	Project	H	Real Time Task On Iot Platform And Mini Project
22	Discussion	L	Discussion About Placement Interview Question



SSM

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Dindigul – Palani Highway, Dindigul -624 002)

DEPARTMENT OF ELECTROINCS AND COMUNICATION ENGINEERING

“Technology Traning on Cloud Computing”

Date :06-03-2022 to 10.03.2023

Time: 10.00am to 01.00 pm

Venue : Network Lab

Resource Person

Mr.Ajmeer Kaja Mohaideen

Advisory of Tarcin Robotics

Co-Ordinators
Dr.M.Premkumar

Faculty Incharge
Mr.Karthick
Mrs.G.Rajarajeshwari

HoD/ECE
Dr.S.Karthigai Lakshmi

Principal
Dr.D.Senthil Kumaran

All are Cordially Invited

www.ssmiet.ac.in



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Dindigul – Palani Highway, Dindigul – 624 002.

Email:ssmietdgl@gmail.com, Website: www.ssmiet.ac.in

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

CIRCULAR

01.03.2023

The Department of ECE has planned to conduct the Technology Teaching for Final Year students was scheduled to be conducted on 06.03.2023 onwards. The main objective of this course is to acquire Skills in cloud computing and Artificial intelligence . The Students are asked to use this opportunity effectively.

Course Title	Resource Person	No of Students	No.of hours	Faculty Incharge
ARTIFICIAL INTELLIGENCE	1. Mr.Velmurugan, Team Lead, Pantech E-Learning. 2. Mr.Hariram, Sr.Project Engineer, Pantech E-Learning.	40	06.03.2023 To 10.03.2023	S.Abirami, K.Divya
CLOUD COMPUTING	Mr.Ajmeer Kaja Mohideen ,Advisory of Tarcin Robotics.	72		G.Rajarajeswari S. Karthik

Co-ordinators
Dr.K.Vinoth Kumar
Dr.M.Prem Kumar

Dr.S.Karthigai Lakshmi

S.Karthigai
HoD/ECE

Principal
Dr.D.Senthil Kumaran

SYLLABUS

Unit	Day	Course Content	Hours	Type
Day 1				
1	1	Cloud concepts <ul style="list-style-type: none"> • Cloud computing Fundamentals • Cloud benefits • Cloud service types 	3	Theory
2	1	Azure architecture and services <ul style="list-style-type: none"> • Compute and Networking 	2	Theory
3	1	Core Azure Services (Workloads) <ul style="list-style-type: none"> • Create a virtual machine in the portal 	2	Theory+Lab

Day 2				
4	2	Core Azure Services (Workloads) <ul style="list-style-type: none"> • Create a virtual machine in the portal 	3	Students Lab
5	2	Azure architecture and services <ul style="list-style-type: none"> • Compute and Networking 	2	Theory
6	2	Core Azure Services (Workloads) <ul style="list-style-type: none"> • Create a Web App • Deploy Azure Container Instances 	2	Theory+Lab

Day 3				
7	3	Core Azure Services (Workloads) <ul style="list-style-type: none"> • Create a Web App • Deploy Azure Container Instances 	3	Students Lab
8	3	Azure architecture and services <ul style="list-style-type: none"> • Storage, Identity, Access, and Security 	2	Theory
9	3	Describe core solutions and management tools <ul style="list-style-type: none"> • Create blob storage 	2	Theory+Lab

Day 4					
10	4	Core Azure Services (Workloads) <ul style="list-style-type: none"> • Implement an Azure IoT Hub • Implement Azure Functions/ Serverless Computing 	3	Theory+ Lab	
11	4	Management and governance <ul style="list-style-type: none"> • Cost management • Governance and compliance • Management and deployment tools • Monitoring tools 	2	Theory	
12	4	Describe core solutions and management tools <ul style="list-style-type: none"> • Create blob storage • Implement Azure Functions/ Serverless Computing 	2	Student Lab	

Day 5					
14	5	Exam Preparation & Certification	8	Theory	

Day 6					
13	6	Core Azure Services (Workloads) <ul style="list-style-type: none"> • Create a virtual network • Implement Azure Key Vault 	2	Theory+ Lab	
15	6	Core Azure Services (Workloads) <ul style="list-style-type: none"> • Create a virtual network • Implement Azure Key Vault 	2	Student Lab	



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(Accredited by NBA – ECE, EEE & MECH UG Programs)

Dindigul – Palani Highway, Dindigul 624 002

Department of Mechanical Engineering

Organizes

VALUE ADDED COURSE

CATIA



21.02.2023-04.03.2023

**(60 HOURS)
CONDUCTED BY**



**CADD TECHNOLOGIES
SCHOOL OF DESIGN PRIVATE LIMITED**

Dr.M.SABREESARAN, ASP/Mech.

Programme Coordinator (s)

Dr.G.Sankaranarayanan

HoD/Mech.

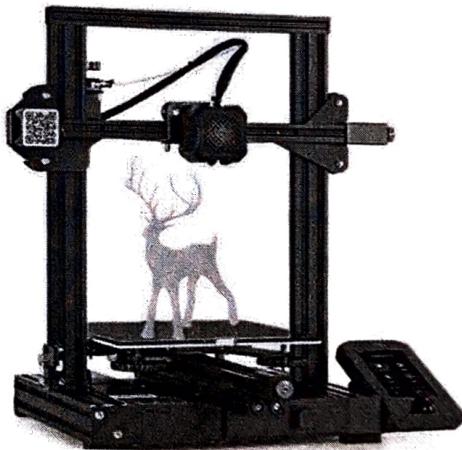
**Dr.Senthil Kumaran Durairaj
Principal**

Event Brochure:

SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY
DEPARTMENT OF MECHANICAL ENGINEERING



**TECHNOLOGY TRAINING
ON
3D PRINTING**



Resource Persons

Mr. P. Dheenathayalan (AP/MECH)

Mr. M. Selwin (AP/Mech)

28.03.2023

TO

03.04.2023

CONVENORS

Dr. G. Sankaranarayanan
HOD/Mechanical

Dr. D. Senthil Kumaran
Principal



SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

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Dindigul – Palani Highway, Dindigul 624 002

Department of Mechanical Engineering

Organizes

Value Added Course

From

03.04.2023

to

20.04.2023

@

CAD LAB (C205)

Resource Persons

**Mr. K. VIGNESHWAR
SPOTLIGHT TECHNOLOGY,
Dindigul-624001**

**Dr.Senthil Kumaran Durairaj
Principal**

**Dr.V.Kandavel, ASP/Mech.
Programme Coordinator (s)**

**Dr.G.Sankaranarayanan
HoD/Mech.**



SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

(APPROVED BY AICTE, NEWDELHI | AFFILIATED TO ANNA UNIVERSITY, CHENNAI & ACCREDITED BY
NAAC ECE, EEE, MECH-NBAACCREDITED)

TECHNOLOGY TRAINING ON ADVANCE EXCEL

DATES

07.03.2021, 14.03.2021, 21.03.2021
28.03.2021 & 04.04.2021

VENUE: SSMIET LABS

HOST: CADD TECHNOLOGIES


ACADEMIC COORDINATOR/S&H
Dr.G.SHANMUGAM


PRINCIPAL
Dr.D.SENTHIL KUMARAN



SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

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DINDIGUL - PALANI HIGHWAY, DINDIGUL - 624 002

TECHNOLOGY TRAINING ON ADVANCE EXCEL

DATE

07.10.2021 - 13.10.2021

VENUE : SSMIET LABS

HOST : CADD TECHNOLOGIES


ACADEMIC COORDINATOR/S&H
DR.G.SHANMUGUM

PRINCIPAL
DR. D. SENTHIL KUMARAN

24.02.2020

From

Dr. G. Shanmugam
1 year Academic coordinator
Associate Professor in Physics
SSM Institute of Engineering and Technology
Dindigul-624002

To

The Principal
SSM Institute of Engineering and Technology
Dindigul-624002

Respected Sir,

Sub: Request to conduct VAC on EXCEL for I BE students – Reg.

As the Microsoft EXCEL working skill is mandatory for all BE graduates, it is planned to conduct an intensive training program on Microsoft EXCEL for all our first year students as a value added course on Saturdays.

The program is offered by CADD TECHNOLOGIES SCHOOL OF DESIGN PRIVATE LIMITED, Coimbatore, Tamilnadu with MICROSOFT CERTIFICATION. The cost of the course is Rs. 1000/- per student. The course fee can be collected from the students.

I shall be much obliged for your kind approval in this regard.

S.No	Dates	Students	Session	No.of computers required	Lab
1	07.03.2020,14.03.2020,21.03.2020, 28.03.2020,04.04.2020	ECE,CSE students	FN &AN	120	CSE Lab-1 CSE Lab -2
2	07.03.2020,14.03.2020,21.03.2020, 28.03.2020,04.04.2020	AUTO,CIVIL,MECH & EEE students	FN &AN	165	Language Lab

Thanking you,

Yours sincerely

24/2/20
(G. Shanmugam)

Principal

29.09.2021

From

Dr. G. Shanmugam
I BE Academic coordinator
SSM Institute of Engineering and Technology
Dindigul-624002

To

The Principal
SSM Institute of Engineering and Technology
Dindigul-624002

Respected Sir,

Sub: Request to resume VAC on EXCEL for I BE students (2019-20 batch) – Reg

As the Microsoft EXCEL working skill is mandatory for all BE graduates, it was planned to conduct an intensive training program on Microsoft EXCEL for all our first year students (2019-20 batch) as a value added course. The program is offered by CADD TECHNOLOGIES SCHOOL OF DESIGN PRIVATE LIMITED, Coimbatore, Tamilnadu with MICROSOFT CERTIFICATION.

Due to COVID-19 Pandemic situation, the program was discontinued with 70% completion. As per your direction, it is planned to resume the same in physical mode and complete the course. Hence I request you to kindly provide the permission to resume the course and to use the following laboratories at the mentioned dates.

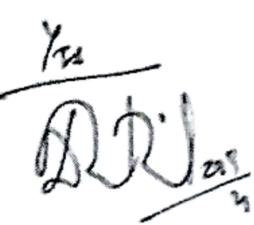
S.No	Dates	Students	Session	No. of Computers required	Lab
1.	07.10.2021, 08.10.2021, 09.10.2021	III year students of Auto, Civil, Mech & EEE	FN & AN	120	CSE lab 1, CSE lab 2,
2.	11.10.2021, 12.10.2021, 13.10.2021	III year students of CSE & ECE	FN & AN	165	Language lab

Coordinators:

1. Mr. Anandhamurugan, AP / Automobile
2. Mr. V. Praveen Jesuraj, AP / Civil
3. Dr. V. Kandavel, ASP / Mechanical
4. Mr. G. Satheeshkumar, AP / EEE
5. Ms. N. Padmapriya, AP / CSE
6. Dr. K. Vinothkumar, ASP / ECE

Thank you

Yours sincerely,


Dr. G. Shanmugam
29.09.2021

Note: In case of Labs, shall
be converted into Theory
online courses on these
days, if needed





SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

Ph: 0451 - 2448800 - 99 (100 Lines)

Sindalagundu Post, Dindigul - 624 002, Tamilnadu.
Email : ssmietdgl@gmail.com

Fax: 0451 - 2448855

www.ssmiet.com

S.No	Dates	Students (III year students except lateral entry)	Session	Lab	Faculty in-charge
1.	07.10.2021 (Thursday), 08.10.2021 (Friday), 09.10.2021 (Saturday)	Automobile & Civil	FN & AN	CSE lab 1	Mr.M. Anandhamurugan, AP / Auto & Mr. V. Praveen Jesuraj, AP / Civil
		Mechanical		CSE lab 2	Dr. V. Kandavel, ASP / Mech
		EEE		Language lab	Mr. G. Satheeshkumar, AP / EEE
2	11.10.2021 (Monday), 12.10.2021 (Tuesday), 13.10.2021 (Wednesday)	ECE	FN & AN	CSE lab 1 & CSE lab 2	Dr. K. Vinothkumar, ASP / ECE
		CSE		Language lab	Ms. N. Padmapriya, AP / CSE

Copy to:

HOD/Auto

V. P. J. S.
HOD/Civil

V. P. J. S.
HOD/CSE

V. P. J. S.
HOD/Mech

V. P. J. S.
HOD/EEE

V. P. J. S.
HOD/ECE

HOD/Che

HOD/Eng

M. G.
HOD/Maths

B.
HOD/Phy

1. Mr. M. Anandhamurugan, AP / Automobile

2. Mr. V. Praveen Jesuraj, AP / Civil

3. Dr. V. Kandavel, ASP / Mechanical

4. Mr. G. Satheeshkumar, AP / EEE

5. Ms. N. Padmapriya, AP / CSE

6. Dr. K. Vinothkumar, ASP / ECE



From

Dr. G. Shanmugam
1 year Academic Coordinator
SSM Institute of Engineering and Technology
Dindigul-02

To

The Principal
SSM Institute of Engineering and Technology
Dindigul-02

~~AP~~
~~BD~~

Respected Sir,

Sub: Value Added Course – I BE - Requisition for payment- Reg.

As the Microsoft EXCEL working skill is mandatory for all BE graduates, it is offered to all I BE students (2019-20 batch) as a value added course. The program is offered by CADD TECHNOLOGIES SCHOOL OF DESIGN PRIVATE LIMITED, Coimbatore, Tamilnadu with MICROSOFT CERTIFICATION.

The program was scheduled for 35 hours (30 hours training and 5 hours assessment). Due to COVID-19 lockdown, the program was interrupted with 62% (18.5 hours) of completion and partial payment of Rs.1,42,500/- (Rupees one lakh forty two thousand and five hundred only) has been given in June 2020.

The remaining sessions were conducted from 07.10.2021 to 13.10.2021 and certificates were received for all the participants. Hence I request you to kindly approve the balance payment to them.

The account details of the payee are given below.

Amount to be paid :	Rs. 1,43,500/- (One lakh forty three thousand and five hundred only)
Account Name :	CADD TECHNOLOGIES SCHOOL OF DESIGN PRIVATE LIMITED
Account Number :	0187360000000147
Bank Name & Branch:	Lakshmi Vilas Bank & Gandhipuram, Coimbatore
IFSC code :	LAVB0000187

Thanking you

Yours sincerely,

Dindigul
28.10.2021


(G. Shanmugam)

Enclosure: 1. Course approval letter
2. Invoice given by CADD Technologies School of Design Private ltd., Coimbatore

Advance EXCEL

SL.No	Topics	Hrs
1	Session 1: Introduction	1
2	Session 2: Entering, Editing and Formatting Data	1
3	Session 3: Formatting Numbers	1
4	Session 4: Managing Worksheets	1
5	Session 5: Modifying Rows and Columns	1
6	Session 6: Understanding Formulas	2
7	Session 7: Changing Views	2
8	Session 8: Conditional Formatting	2
9	Session 9: Tables	2
10	Session 10: Data Tools	2
11	Session 11: Lookups	2
12	Session 12: Conditional Logic	2
13	Session 13: Text Formulas	2
14	Session 14: Introduction to Charts	2
15	Session 15: Formatting Charts	2
16	Session 16: Adding Graphics to Spreadsheets	2
17	Session 17: Outline, Sort, Filter, and Subtotal	2
18	Session 18: PivotTables	2
19	Session 19: Protecting Data	2
20	Session 20: Printing	2
21	Session 21: Saving a Workbook	2



SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

(APPROVED BY AICTE, NEW DELHI | AFFILIATED TO ANNA UNIVERSITY, CHENNAI ACCREDITED BY NAAC ECE, EEE, MECH - MBA
ACCREDITED)

DINDIGUL - PALANI HIGHWAY, DINDIGUL - 624 002

Technology Training on PYTHON PROGRAMMING FOR FIRST YEAR STUDENTS

DATE

11.08.2022-25.08.2022

VENUE : SSMIET LABS

HOST : CADD TECHNOLOGIES

HOD-INCHARGE/S&H
DR.G.SHANMUGUM

PRINCIPAL
DR. D. SENTHIL KUMARAN



SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

Dindigul – Palani Highway, Dindigul – 624 002.

Phone: 0451–2448800–99 (100 Lines) Fax: 0451–2448855

Email: ssmietdgl@gmail.com Website: www.ssmiet.ac.in

DEPARTMENT OF SCIENCE AND HUMANITIES

5.8.2022

Circular

It is planned to provide technology training on “Python Programming” from 11.8.2022 to 25.8.2022 for all our I BE students (271 students). The students are asked to attend the course as per the following schedule:

S.No.	Dates	No. of Days	Branch
1.	11.8.22 - 13.8.2022, 16.8.22 - 17.8.2022	5	ECE & Mechanical
2.	18.8.22, 20.8.22, 22.8.2022, 23.8.2022 - 25.8.2022	5	Civil, CSE & EEE

The following faculty members with allotted classes will monitor in the venues:

S. No	Name of the Faculty	Class	Venue
1	Dr.M.Rameswari, HOD/Maths	1. ECE	Communication Lab
2	Mrs. S. Nithya, AP/Physics	2. CSE	
3	Mrs.S.Soundaralakshmi.AP/ Chemistry	1. ECE	CSE Lab- I
4	Mrs. J. John Prateeba, AP/English	2. Civil & CSE	
5	Mrs. S. Kavitha, AP/ Maths	1. Mechanical	Civil Cadd Lab
6	Ms. R. Vithya, AP/ Maths	2. EEE	
7	Mr. M. Christopher, AP/ Maths	1.ECE	Auto Cadd Lab
8	Mrs. P. Kothai Natchiar, AP/ English	2. EEE	
9	Mr. M. Antony Dass, Technician/ Physics		
10	Mr. V. Nagaraj, Technician/ Chemistry		Civil Cadd Lab
11	Mr. R. Vishva Rathinam, Technician/ English		Comm. Lab

Co-ordinator
(Technology Training)
5/8/22

Academic Co-ordinator
5/8/22

HODic S&H
5/8/22

Principal
5/8/22

Python Syllabus

Objective:

This Programme is used to provide basic knowledge of Python. Python programming is intended for Software Engineers, System Analysts, Program Managers and User Support Personnel who wish to learn the Python programming language.

Pre-Requisite: Not needed

Duration: 30 hrs

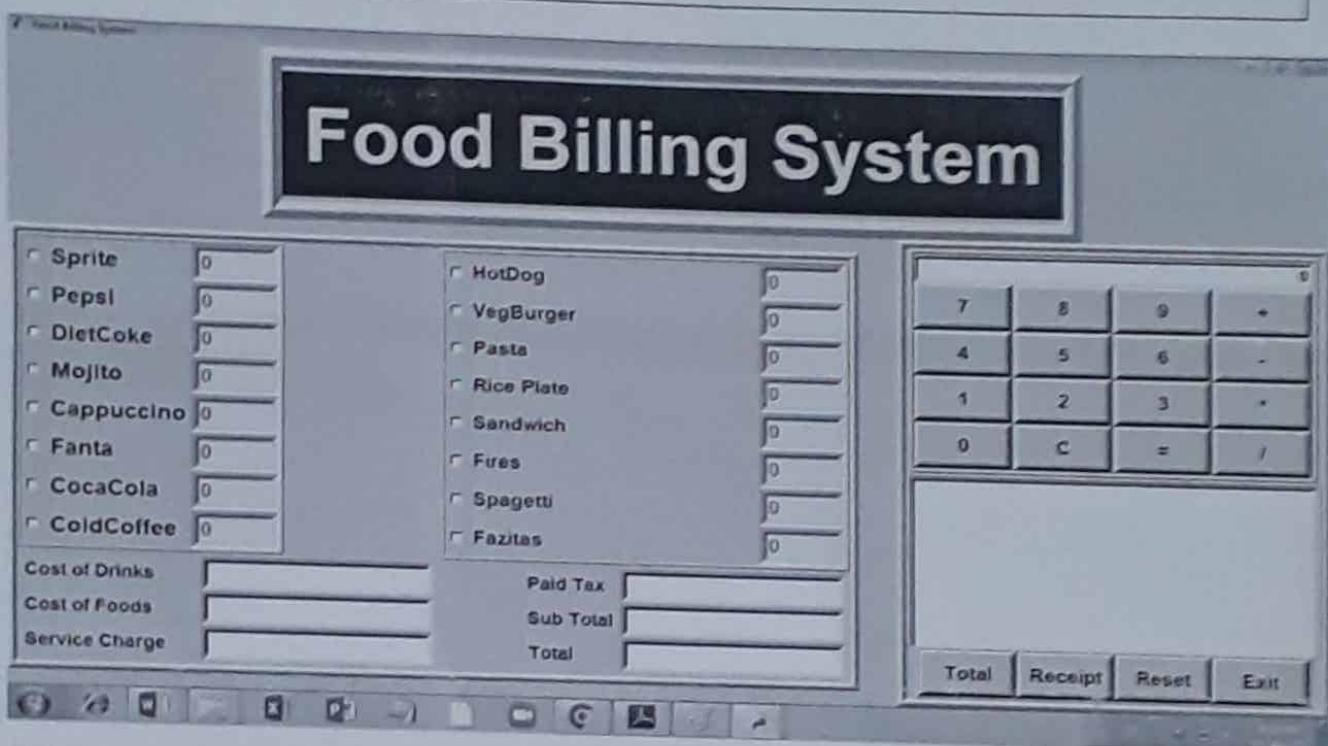
Programme Outcome:

You can gain a skill set of Python programming with capability of Problem Solving

Content Covered:

Day 1	Overview: Basic Syntax, Python variables and Data types, Basic Operators, Decision making, Numbers, Strings, Lists, Tuples, Dictionary, Date & Time, Python Input and Output, Patterns, File I/O, Python Modules, Exception Handling.
Day 2	Classes and Objects: Overview of OOP Terminology, Creating classes, Creating Instance Objects, Accessing Attributes, Built-in Attributes, Destroying Objects, Class Inheritance, Overriding Methods, Basic Overriding Methods, Overloading Operators, Data Hiding. Regular Expressions: The Match Function, Search Function, Matching Versus Searching, Search and Replace, Option Flags, Examples, Character Classes, Special Character Classes, Repetition Cases, Nongreedy Repetition, grouping with parenthesis and others expressions.
Day 3	Database Access: How to accessing Microsoft Access File with Python using pyodbc – Creation, Insertion, Updation, Deletion and Selection. Networking: What is Sockets, The Socket Module, Client & General Socket Methods, Creating a Simple Client & Server, Python Internet Modules, Sending Email Using SMTP, Sending a HTML e-mail using Python, Sending Attachments As an email.
Day 4	Multithreading: Start a new Thread, Threading Module, and Creating Thread using Thread Module, Synchronizing Thread, and Priority Queue. XML Processing: What is XML?, XML Parser Architecture and API's, Parsing XML with SAX APIs, Parsing XML with DOM API's.

Day 5	GUI Programming & others - Tkinter: Tkinter, Tkinter Widgets: Button, Canvas, Checkbutton, Entry, Frame, Label, Listbox, Menubutton, Menu, Message, Radiobutton, Scale, Scrollbar, Text, Toplevel, Spinbox, PanelWindow, LabelFrame, Messagebox.
Day 6:	Project1: Food Billing System given to the Student



Day 7	Data Analysis using Numpy: Basics of Data Analysis, NumPy – Arrays, Operations on Arrays, Indexing Slicing and Iterating, NumPy Array Attributes, Matrix Product, NumPy Functions, Array Manipulation, File Handling Using NumPy, Linear Regression Using Numpy.
Day 8	Data Manipulation Using Pandas: Introduction to pandas, Data structures in pandas, Series, Data Frames, Importing and Exporting Files in Python, Basic Functionalities of a Data Object, Merging of Data Objects, Concatenation of Data Objects, Types of Joins on Data Objects, Data Cleaning using pandas, Exploring Datasets.

Day 9	Data Visualization using Matplotlib: Why Data Visualization?, Matplotlib Library, Line Plots, Multiline Plots, Bar Plot, Histogram, Pie Chart, Scatter Plot, Boxplot, Saving Charts, Customizing Visualizations, Saving Plots, Grids, Subplots.
Day 10	Sentimental Analysis Data Pre-processing, Build the Text Classifier, Train the Sentimental Analysis Model, Using Libraries(Pandas, Matplotlib, Tensorflow) and used to this model Project 2: Fake Detection System Using Python & Machine Learning to use Pandas, Numpy and sklearn.

Job Scope:

- System Analyst role in IT industry
- Software Engineers role in IT industry
- Program Managers role in IT industry
- User Support Personal role in IT industry

Training to be provided for

All 1 st Year Students	- 270 Approx.
2 nd year EEE Students	- 22 Nos
Certification	- MVA (Microsoft)
Rate	- Rs.1750/- GST