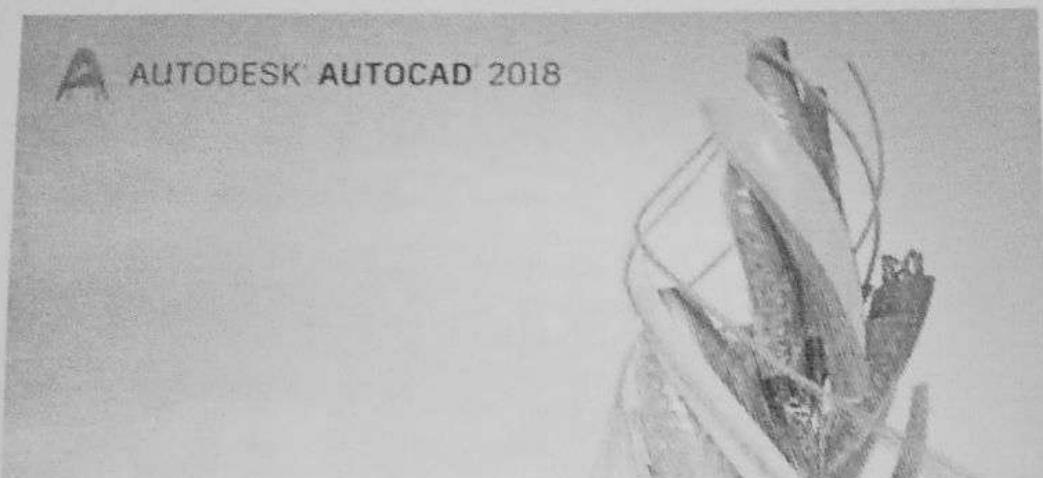


DEPARTMENT OF CIVIL ENGINEERING



Cadd Technologies School of design Private limited,
Coimbatore-641 009.

Technology Training

AUTO CAD

2021-22

SECOND AND THIRD YEAR 2021-22

DEPARTMENT OF CIVIL ENGINEERING



Cadd Technologies School of design Private limited,
Coimbatore-641 009.

Technology Training

STAAD PRO

2021-22

FINAL YEAR 2021-22



SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

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

(Accredited by NBA - BCE, EEE & MECH UG Programmes)

Dindigul - Palani Highway, Dindigul 624 002

Date: 13.04.22

CIRCULAR

It is planned to conduct Value Added Course for II & III year students by Department of Civil Engineering along with CADD TECHNOLOGIES SCHOOL OF DESIGN PVT. LTD.

S.N o	Year	Name of the Course	Period	No. of Days
1.	II Year	AUTO CAD	21.04.22 to 29.04.22	7 Days
2.	III Year			

Faculty In-charge

HoD/Civil



SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

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

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

Dindigul ~ Palani Highway, Dindigul 624 002

Date: 07.11.22

CIRCULAR

It is planned to conduct Value Added Course for IV year students by Department of Civil Engineering along with CADD TECHNOLOGIES SCHOOL OF DESIGN PVT, LTD.

S.N o	Year	Name of the Course	Period	No. of Days
1.	IV Year	STAAD PRO V8i	15.11.22 to 22.11.22	6 Days

Faculty In-charge

HoD/Civil

AutoCAD

60 Hrs. Syllabus

S.NO	CONTENT
1	Introduction to CAD/CAM/CAE & Introduction to AutoCAD & Design Basics
2	Units, Limits, Drafting Settings, Selection Methods
3	Modify(Erase, Move, Copy, Rotate, Trim, Extend)Draw(Polyline, rectangle, Polygon)
4	Draw(Arc, Ellipse, Spline, Point, Hatch, Region, Revision Cloud, Wipe Out, Construction Line, Ray, Donut)
5	Modify(Array, Break, Break at point, Fillet, Chamfer, Scale, Lengthen, Stretch, Explode, Join, Align)
6	Annotation(Text, Dimensions)
7	Annotation(Leaders, Table, Scaling)
8	Property Tool bar, Layer Tool bar, Draw order
9	Drafting Settings(Infer Constraint) & Parametric Constraints
10	Block & Dynamic Block
11	Isometric View, Customize Hatch
12	Layout & Plotting
13	Introduction of 3D, Views, Viewports, Orbit, Visual styles
14	Solid Creation, 3D Modify & UCS
15	Solid Editing & Material
16	Surface Creation
17	Surface Editing
18	Mesh (Creation & Editing), Section
19	Rendering Materials, Lighting
20	Motion Path Animation

No of Students in Third year - 14

No of Students in Second Year - 22

Total - 36

Rate/Student - Rs.1500/- GST

STAAD PRO V8i

On site 50 Hours syllabus

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



SSM Institute of Engineering and Technology

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Dindigul – Palani Highway, Dindigul – 624 002

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

25.05.2022

CIRCULAR

The Department of CSE has planned to conduct a "Technology Training" for II year - CSE students on "Problem Solving Using 'C' Programming" from 26.05.2022 to 03.06.2022 (09.00 a.m to 03.30 p.m) at CSE Lab II. Resource person Mr. Anthony Sahaya Michael, Corporate Trainer, from Silicon Software Services, Madurai is going to handle this training session. All our final year students are expected to attend this training without fail.

25/5/22
25/5/22
25/5/22

Faculty In-charge

Vijay
HoD/CSE

From
Ms. S. Deepika, AP/CSE & Ms. N. J. Divya, AP/CSE,
SSM Institute of Engineering and Technology,
Dindigul – Palani Highway,
Dindigul.

23.05.2022

To
The Principal,
SSM Institute of Engineering and Technology,
Dindigul – Palani Highway,
Dindigul.

Through
The Head of the Department/CSE,
SSM Institute of Engineering and Technology,
Dindigul – Palani Highway,
Dindigul.

Respected Sir,

Sub: Requisition to provide accommodation with food and refreshment for the resource person-reg.

We wish to bring to your kind notice that a Technology Training programme is planned to be conducted for II CSE on “**Problem Solving Using ‘C’ Programming**”, by **Mr. Anthony Sahaya Michael, Corporate Trainer, Silicon Software Services, Madurai** from 26.05.2022 to 03.06.2022 (8-working days: 09.00 a.m. to 03.30 p.m.).

In this regard we request you to provide accommodation with food and refreshment (FN & AN) for the trainer (1 person) at our college premises. We kindly request you to grant us the same.

Thanking you,

Yours truly,

1. S. Deepika, AP/CSE
2. N. J. Divya, AP/CSE
3. Dr. G. Prabu, ASP/CSE


HOD/CSE


PRINCIPAL



SSM

Institute of Engineering and Technology

APPROVED BY AICTE, NEW DELHI | AFFILIATED TO ANNA UNIVERSITY, CHENNAI
ACCREDITED BY NAAC | ACCREDITED BY NBA (EEE, ECE, MECH UG PROGRAMS)

Technology Training on Problem solving using C Programming For Second Year Students

DATE

MAY 22TH - June 3RD
2022

VENUE

CSE LAB-II

HOST

SILICON SOFTWARE SERVICE

HOD/CSE

DR. V. SHANMUGAVEL

PRINCIPAL

DR. D. SENTHIL KUMARAN

M.ANTHONY SAHAYA MICHAEL

Address:Divine Metals, Ooty complex, Kozhippanai, Tiruppur-641687.
Phone:(+91) 6381419923,(+91)7708145815
Email: manthony.sahaya.michael1996@gmail.com

OBJECTIVE

"To obtain a teaching position where I can utilise my knowledge of advanced teaching methods such as team learning and e-learning." "Develop and promote creativity and high-order thinking skills that increase the performance of the students."

WORK

EXPERIENCE

07/2020 - Current

Corporate Trainer, Silicon Software Services

Responsibilities:

- Design Effective Training Program
- Prepare Educational Materials
- Support and Mentor new employees
- Developing and Improving the logical ability of students

03/2019 – 07/2020

Senior Trainer, Top Freshers Technologies Private Ltd.,

Responsibilities:

- Support and Mentor new employees
- Develop and Administer Training programs
- Support for Educational Activities
- Website Management

07/2018 – 02/2019

Junior Trainer, Benchmark Private Ltd.,

Responsibilities:

- Developing Students logical Thinking
- Teaching concepts

EDUCATION

Master of Social Work,

Annamalai University,Chidambaram.

2019 - 2021

Bachelor Degree of Computer Science Engineering,

Sasurie Academy Of Engineering,Coimbatore

2014 - 2018

PROJECTS**EDUCATIONAL DATA MINING**

Language : JAVA,SQL

Objective : The Educational Data Mining is an emerging discipline, concerned with developing methods for exploring the unique types of data that comes from educational settings, and using those methods to better understand students and setting them to learn EDM. Its, aim to develop models to improve learning experience and institutional effectiveness. The data mined from databases collectively shown as graphs and statistics for better understanding.

ADDITIONAL SKILLS

Programming	: C,C++, JAVA,PYTHON
Web Development	: HTML,CSS,JS
Database operation	: SQL
Microsoft Office	: Microsoft Word, Excel
Soft Skills	: Communication Skills, Problem Solving

BASIC DETAILS

Father:	Mariya Kani Raja.D
Relational Status	: Single
Emergency Contact No	: 9629805815
License no	: TN4220150007688
Aadhar Card no	: 4085 1195 7658

To

Dr. V. Shunmughavel,
Professor & Head,
Department of Computer Science,
SSM Institute of Engineering & Technology,
Dindigul,

Sub: Proposal for conducting Value Added Course to your college students.

Respected Sir,

Greetings from **SILICON SOFTWARE SERVICES!**

Based on the discussion we had with you we are pleased to submit this proposal for conducting a Value Added Course through offline mode. **SILICON SOFTWARE SERVICES** conceived with the vision of building skilled manpower pool for industry requirements with a focus on Technical Skills, Hands-on practice and standardized assessments. **SILICON SOFTWARE SERVICES** is one among the leading software Training companies in South India to render Technical and Aptitude services in Training.

Training Plan:

Day	Content	Practice
Day 1	Introduction C Programming functions, built in header file	MCQ Test
Day 2	Pointers, Array, String, Looping and its time & space complexity	MCQ Test
Day 3	struct & union Matrix concepts	MCQ Test

Day 4	Looping & Problem Solving in numbers	Practice in hackerrank online platform
Day 5	Problems solving in Arrays	Practice in hackerrank online platform
Day 6	Problems solving in Arrays continuation	Practice in hackerrank online platform
Day 7	Problem solving in Array continuation and introduction to String	Practice in hackerrank online platform
Day 8	Problem solving in String	Practice in hackerrank online platform

Note:

1. Students must solve 2 programs every day in hackerrank platform in the night after our session.
2. Report will be submitted to the HoD on daily basis.
3. Daily students will take MCQ Test in C Programming, 20 questions will be there in the test.
4. Certificate will be provided after completion of the course.

Outcome:

This would help them in cracking almost all companies like, TCS, Wipro, Infy and CTS and very important for 5LPA and above companies.

Commercial:

Total Days = 8 Days

Fee: Rs. 2000 per student (Inclusive of GST)

Requirements:

Trainers' accommodation with Food

Thanks & warm regards,

Rajendran Subramanian B.E., M.Tech (IIT-Kanpur)..

Founder,

Silicon Software Services.

www.siliconsoftwareservices.com



SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai & Accredited by NAAC)
Dindigul-Palani Highway, Dindigul

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

23.04.2022

CIRCULAR

The Department of CSE has planned to conduct a Technology Training for III year - CSE students on "Mongo DB" from 25.04.2022 to 06.05.2022 (09:00 a.m. to 03:00 p.m.) at CSE lab II. Resource Person Mr.Amjath Ibrahim, Infrastructure Architect, IBM is going to handle this training session. All our third year students are expected to attend this training without fail.

N.Padmapriya
Faculty In-charge

(Ms.N.Padmapriya,AP/CSE)
Ms.A.Priyanka,AP/CSE

V.Shunmughavel
HoD/CSE

(Dr.V.Shunmughavel)

D.Senthil Kumaran
Principal

(Dr.D.Senthil Kumaran)



**SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY
DINDIGUL - PALANI HIGHWAY, DINDIGUL - 624 002**

**TECHNOLOGY TRAINING ON MONGO DB
FOR III YEAR CSE**

**25/04/2022 TO
06/05/2022**

**VENUE
CSE LAB II**

**HOST
MR. AMJED IBRAHIM , IBM**

**HOD /CSE
DR.V.SHANMUGAVEL**

**PRINCIPAL
DR.D.SENTHIL KUMARAN**

04.05.2022

From

Ms. N. Padma Priya, AP/CSE & Ms. A. Priyanka, AP/CSE,
SSM Institute of Engineering and Technology,
Dindigul – Palani Highway,
Dindigul.

To

The Principal,
SSM Institute of Engineering and Technology,
Dindigul – Palani Highway,
Dindigul.

Through

The Head of the Department/CSE,
SSM Institute of Engineering and Technology,
Dindigul – Palani Highway,
Dindigul.

Respected Sir,

Sub: Requisition to provide lunch and refreshment -reg.

We wish to bring to your kind notice that a Technology Training programme is planned to be conducted for III CSE on “MongoDB”, from 25.04.2022 to 06.05.2022 (10 working days: 09.30 a.m. to 03.30 p.m.).

In this regard we request you to provide lunch and refreshment (FN & AN) for the trainer (1 person) at our college premises (04.05.2022 to 06.05.2022). We kindly request you to grant us the same.

Yours truly,

Thanking you,

N Padma Priya
4/5/22
Ms. N. Padma Priya, AP/CSE
Ms. A. Priyanka, AP/CSE

V. J. M. 4/5/22
HOD/CSE

D. D. J.
PRINCIPAL

Syllabus

mongodb dba training provides a complete knowledge to handle the mongodb database administration work as independently. Mongodb is a document database which is a top most rated database in NoSQL category. It has been preferred by many customers since it has very good features like good scalability, availability and dynamic schema. The course is designed to get complete architecture knowledge and hands on experience so that candidate can directly work in real time environment.

Course Objective:

This course gives complete knowledge to administrate the mongodb database in real time environment. After taking this course you will become confident to work in real time environment and you can handle the projects and production issues independently.

Who can learn Mongodb administration?

1. Freshers
2. RDBMS DBA's (Oracle, MS-SQL, MySQL, etc)
3. IT Professionals who knows basics of any database and UNIX commands.
4. Anyone who wants to get into IT industry

Job Opportunity:

Very good opportunities are there in market for NoSQL and BigData technologies. In NoSQL especially for Mongodb there are lot of openings coming but in market only limited resources are there. So it's good to start moving on the new emerging technologies on the right time.

Syllabus:

1. Introduction to NoSQL
2. Architecture
3. CRUD Operations
4. Schema Design and Data modeling
5. Indexes
6. Administration commands
7. Replication
8. Scalability
9. Backup and Security
10. Monitoring and Other Tools

Detailed Topic coverage:

1. Introduction to NoSQL

- a. Theories to be covered,
 - ❑ What Is NoSQL?
 - ❑ Why NoSQL databases are required.
 - ❑ Types of NoSQL Database
 - ❑ NoSQL vs SQL Comparison
 - ❑ ACID & BASE Property
 - ❑ CAP Theorem
 - ❑ Benefits of NoSQL databases

- ❑ Installation
- ❑ Start and Stop the mongodb process
- b. Practical Session,
- ❑ Setting a linux machine in AWS cloud or VM Player.
- ❑ Installing mongodb
- ❑ Configuration
- ❑ Starting and Stopping the process
- ❑ Connecting through mongo shell

2. CRUD Operations

- ❑ Create, Read, Update & Remove the documents
- ❑ Bulk insert operation

- Updating multiple document
- Sorting the documents
- Limiting documents
- Filtering documents
- Dropping the collections
- b. Practical Session,
- All the above topics

3. Logical and Physical Storage structure

- a. Theories to be covered,
- Overview of mongodb
- Document, Collection, Databases
- JSON and BSON
- ObjectId Data type
- Journaling
- Storage Engines (WiredTiger, MMAP & In-memory)
- Capped Collection
- TTL Index
- b. Practical Session,
- Creating/Dropping Database, Collection
- Understanding the storage engine
- Creating capped collection and TTL Index
- Default system collections

4. Data modeling

- a. Theories to be covered,
- Dynamic Schema
- What is Data modeling?
- Embedding Document
- Reference Document
- b. Practical Session,
- Schema Creation
- Storing and retrieving array of docs
- Creating embedded document

5. Indexes

- a. Theories to be covered,
- Introduction to Indexing
- Types of indexes
- Creating Indexes
- Managing Indexes
- Index Rebuilding
- Explain plan
- b. Practical Session,
- All the above topics

6. Standalone Database Administration

- a. Theories to be covered,
- Server & Database health check
- Terminating Running Operations
- Managing the log files
- Locking & Connections
- Profiling for Performance issues
- Changing configuration files
- Authentication and authorization
- Users and Roles
- Role based access control
- Copy and Clone database
- Troubleshooting issues
- Upgrading the database
- b. Practical Session,

- ❑ All the above topics

7. Replication

- a. Theories to be covered,
- ❑ Introduction to replication
- ❑ ReplicaSet
- ❑ Automatic Failover
- ❑ ReplicaSet members
- ❑ Role of Oplog in replication
- ❑ Arbiter, Hidden, Priority and Delayed replica node
- ❑ Read and Write Concern
- ❑ Replicaset nodes health check
- ❑ Resyncing a member
- ❑ Rollbacks during failover
- ❑ Keyfile authentication
- b. Practical Session,
- ❑ Building a Replicaset using keyfile authentication
- ❑ Add/Remove a node to existing Replicaset
- ❑ Changing Priority of nodes and making delayed nodes
- ❑ Resync a member of Replicaset
- ❑ Changing the Oplog size
- ❑ Replicaset health checks
- ❑ Handling rollbacks
- ❑ Checking the read, write concerns

8. Sharding

- a. Theories to be covered,
- ❑ Concept of Sharding
- ❑ Sharding concept
- ❑ Shardkey and Chunks
- ❑ Choosing shardkey
- ❑ Sharding components
- b. Practical Session,
- ❑ Building a sharded cluster
- ❑ Building a sharded replicaset cluster
- ❑ Sharding a collection
- ❑ Sharding health checks
- ❑ Moving chunks manually
- ❑ Managing the balancer

9. Backup and Recovery

- a. Theories to be covered,
- ❑ Introduction to backups
- ❑ mongoexport/mongoimport
- ❑ mongodump/mongorestore
- ❑ Oplog backups
- ❑ LVM Backups
- ❑ Backups using MMS/Ops Manager
- b. Practical Session,
- ❑ mongoexport/mongoimport
- ❑ mongodump/mongorestore

10. Monitoring and Other Tools

- a. Theories to be covered,
- ❑ MMS Manager/Cloud Manager
- ❑ Ops Manager
- ❑ Mongo utility commands
- ❑ Mongo developer tools
- ❑ Mongodbs Atlas



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Dindigul – Palani Highway, Dindigul – 624 002

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

25.05.2022

CIRCULAR

The Department of CSE has planned to conduct a "Technology Training" for IV year - CSE students on "Advanced Java Programming" from 26.05.2022 to 03.06.2022 (09.00 a.m to 03.30 p.m) at CSE Lab I. Resource person Mr. Ramsundar, Trainer from Silicon Software Services, Madurai is going to handle this training session. All our final year students are expected to attend this training without fail.

[Signature] Faculty In-charge

[Signature]
HoD/CSE

1. Nivedhiha V, Asp/CSE
2. N. ANU LAVANYA, AP/CSE



SSM

Institute of Engineering and Technology

APPROVED BY AICTE, NEW DELHI | AFFILIATED TO ANNA UNIVERSITY, CHENNAI |
ACCREDITED BY NAAC | ACCREDITED BY NBA (EEE, ECE, MECH US PROGRAMS)

Technology Training on Advanced Java Programming For Final Year Students

DATE

**MAY 22TH - June 3RD
2022**

VENUE

CSE LAB-II

HOST

SILICON SOFTWARE SERVICE

HOD/CSE

DR. V. SHANMUGAVEL

PRINCIPAL

DR. D. SENTHIL KUMARAN

07.06.2022

From

Dr. V. Nivedhitha, Ms. N. Anu Lavanya

Associate Professor, Assistant Professor

Department of Computer Science and Engineering,

SSM Institute of Engineering and Technology,

Dindigul-02.

To

The Principal,

SSM Institute of Engineering and Technology,

Dindigul-02.

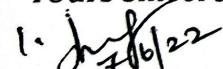
Respected sir,

sub: Settlement to Silicon Software Services for Technology Training – reg.

This is to bring to your notice that a Technology Training on "**Advanced Java Programming**" has been conducted for IV CSE students from **26.05.2022 to 03.06.2022(8 Days)** by **Silicon Software Services**, Madurai. 39 students of IV CSE have been benefitted from this training session. The received invoice copy is attached with this letter for your perusal and further action.

Thank You

Yours sincerely,

1. 
07/06/22

2. 
07/06/22

V. Nivedhitha
HoD/CSE


PRINCIPAL

Encl:

1. Invoice from Silicon Software Services.

Training Plan

Introduction

(Time: 11.30 a.m to 12.00 p.m)

Programming language Types and Paradigms, Computer Programming Hierarchy, How Computer Architecture Affects a Language? , Why Java? , Flavors of Java, Java Designing Goal, Role of Java Programmer in Industry, Features of Java Language, JVM –The heart of Java, Java’s Magic Bytecode. The Java Environment: Installing Java, Java Program Development, Java Source File Structure, Compilation, Executions.

String class and its usage

Operation on String, Mutable & Immutable String, Using Collection Bases Loop for String, Tokenizing a String, Creating Strings using StringBuffer.

Pointers & Array Concept

(Time: 1.00 p.m to 01.30 p.m)

Defining an Array, Initializing & Accessing Array, Multi –Dimensional Array, Definition of pointer, Difference between reference and pointer,



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 program on

"Auto CAD Electrical"

For the IV year students of EEE

from (12.05.2022 to 25.05.2022)

Trained by

Spotlight Technologies Private Limited, Dindigul

Co-ordinator

Mr.B.Marisekar,AP/EEE

HoD

Dr.C.Mohanbabu

Principal

Dr.D.Senthil Kumaran

All are Invited



SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

Sindalagundu post, Dindigul-624002, Tamilnadu. Ph:0451-2448800.

Approved by AICTE, New Delhi | Affiliated to Anna University, Chennai

Accredited by NAAC

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

CIRCULAR

07.05.2022 (Saturday)

This is to inform that technology training program on “AutoCAD Electrical” is going to be conducted by Spot Light Technology - Dindigul for IV year EEE students. Henceforth interested students are informed to register their name to Mr.B.Marisekar, AP/EEE.

Course Details:

Course Duration : 12.05.2022 (Thursday) to 25.05.2022 (Wednesday)

Total Days : 10 Days

Hours / Day : 06 Hours

Total Hours : 60 Hours

K. Alwin
Faculty Incharge
07/05/2022

Murugan
HoD/EEE

B
Principal

AutoCAD Electrical Day wise Breakup Total Duration: 10 Days Training

Session	Topics
Session 1	<ul style="list-style-type: none"> • Introduction <ul style="list-style-type: none"> ◦ AutoCAD Electrical ◦ GUI • Project <ul style="list-style-type: none"> ◦ Introduction to Project Manager
Session 2	<ul style="list-style-type: none"> • Create a Library Symbol • Symbol Builder • Circuit Builder <ul style="list-style-type: none"> ◦ Inserting a One-line Motor Circuit ◦ Inserting a Dual One-line Power Feed Circuit • Copy circuitry • Save circuit to icon menu
Session 3	<ul style="list-style-type: none"> • Component Tools
Session 4	<ul style="list-style-type: none"> • Component Attribute Tools • Wires
Session 5	<ul style="list-style-type: none"> • Signal Arrows <ul style="list-style-type: none"> ◦ Source arrow ◦ Destination arrow • Ladder tools • Wire numbers <ul style="list-style-type: none"> ◦ Automatic wire numbers ◦ Wire tagging ◦ PLC I/O wire numbers • Wire Number Edit
Session 6	<ul style="list-style-type: none"> • PLC <ul style="list-style-type: none"> ◦ Generate PLC Layout Modules ◦ PLC parametric selection
Session 7	<ul style="list-style-type: none"> • Point to Point Wiring Tools <ul style="list-style-type: none"> ◦ Introduction to Connector Diagrams ◦ Inserting Connectors ◦ Editing & Modifying Connectors

AutoCAD Electrical Day wise Breakup Total Duration: 10 Days Training

- Link components by dashed lines
- Conversion tool
 - Convert text
 - Convert block
 - Convert wires
 - Convert arrows
 - Special Explode
- Panel Layout
 - Foot Prints
 - Footprints from Schematic list
 - Footprints from icon menu
 - Din rails
 - Balloons
 - Wire Annotations
 - Create Assembly
 - Editing & Modifying Footprints
 - Creating Own Footprint
- Terminals
 - Placing a Terminal
 - Terminal Editor
- Audit
 - Missing Catalog
 - Electrical Audit
 - Signal Error/ List
 - Drawing Audit
- Generate Reports
 - Types of schematic reports
 - Generate a schematic report
 - Types of panel reports
 - Generate a panel report
 - Run automatic reports
 - Automatic report generation
- Import/Export
 - To Spreadsheet
 - From Spreadsheet
- Project

Session 9

Session 10



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

*Five days Technology Training Program on
" Industrial Automation"*

For III year students of EEE
from (09.05.2022 to 13.05.2022)

Trained by

Shree Technologies Private Limited, Coimbatore

Co-ordinators

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

HoD

Dr.G.Mohanbabu

Principal

Dr.D.Senthil Kumaran

All are Invited



SSM Institute of Engineering and Technology, Dindigul -02.

Department of Electrical and Electronics Engineering

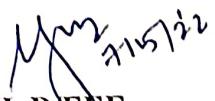
CIRCULAR

07.05.2022

Conducted by

This is to inform that technology training program ~~on~~ PROLIFIC SYSTEMS & TECHNOLOGIES Pvt Ltd, Coimbatore is going to be conducted for III-year EEE students. Henceforth interested students are informed to register their name to Mr.D.Manoj,AP/EEE.Course Duration: 09.05.2022 to 13.05.2022


Faculty Incharge


HoD/EEE
09.05.2022



(International Accreditation
Organisation - USA)
Accredited Courses

An ISO 9001-2008
Certified Co.

(Govt. of India) Approved
Training Company

Topics Covered

➤ Programmable Logic Controllers (PLC)- Advance

Introduction to PLC

Topic

- Introduction to PLC hardware and role in automation
- Architectural Evolution of PLC
- Introduction to the field devices attached to PLC
- PLC Fundamentals – (Block diagram of PLC's)
- Detail information about PLC components
 - Power supply, CPU, I/Os, Communication bus
- Various ranges available in PLC's
- Types of Inputs & outputs / Source Sink Concepts
- Wiring of the I/O devices
- Concept of flags
- Scan cycle execution

Mode

Presentation and physical observations

Practical demonstration on hardware

Practical on PLCs

Practical on PLCs

Operation and Maintenance of PLC

Topic

- Setting up PLCs / Connecting CPU, I/O modules, Rack, Backplane and Communication bus
- Connecting Field devices to PLCs I/Os
- Installing and to starting the programming terminals
- Identifying the status of PLC and communication bus
- Fault detection and error handling
- Forcing of the I/O's
- Back up of the programs and reloading
- CPU, I/O module replacements

Mode

Practical – Assembling PLC

Practical –Physical wiring

Practical – Installation of software

Practical on PLCs

Practical on PLCs

Practical on Software

Practical on PLCs

Practical on PLCs

Allenbradley (AB)

Operation and Maintenance of PLC

Topic	Mode
➤ Setting up PLCs / Connecting CPU, I/O modules, Rack, Backplane and Communication bus	Practical – Assembling PLC
➤ Connecting Field devices to PLCs I/Os ➤ Configuring Local 1756-I/O Modules	Practical –Physical wiring
➤ Connecting a Computer to a Communications Network	
➤ Installing and to starting the programming terminals ➤ Creating & Modifying an RSLogix new project ➤ Transferring a Project File to a Logix500 Controller	Practical – Installation of software
➤ Identifying the status of PLC and communication bus	Practical on PLCs
➤ Creating Tags & Monitoring Data in an RSLogix 500 Project ➤ Forcing of the I/O's	Practical on Software
➤ Managing RSLogix 500 Project Files ➤ Back up of the programs and reloading	Practical on PLCs

Programming / Project Development

Ladder Logic Programming/Interpretation	Practical – Programming terminal
➤ Identifying Programming Strategies & Techniques <ul style="list-style-type: none"> ▪ Documenting & Searching Ladder Logic ▪ Programming N/o,N/c Instructions ▪ Programming Timer & Counter Instructions ▪ Programming Program Control Instructions ▪ Programming Compare Instructions ▪ Programming Compute & Math Instructions ▪ Programming Move Instructions ▪ Programming with Advance Instruction Set 	
➤ Introduction to industrial networking ➤ Identifying Industrial Networks for Use in a RSLogix500 System	Theory session

Supervisory Control & Data Acquisition Software (Wonder ware InTouch 10.0)

Topics Covered

- Applications of SCADA software
- Different packages available with I/O structure
- Features of SCADA software
- Creating a new SCADA application
- Creating Database of Tags
- Creating & Editing graphic display with animation
 - ✓ Data Entry
 - ✓ Start Stop command
 - ✓ Analog entry
 - ✓ Sizing,
 - ✓ Movement,
 - ✓ Blinking,
 - ✓ Visibility, Filling
- Trending
 - ✓ Creating & Accessing Real-time
 - ✓ Creating & Accessing Historical Trends
- Creating and Accessing Alarms
- Creating and Accessing Events
- Writing logic through script
- Window script
- Application script
- Writing script on industrial application
- Bottle filling plant
- Process automation plant
- Connectivity with the different hardware
 - ✓ Communication protocols
 - ✓ Communication with PLC
 - ✓ Connectivity between software
- Troubleshooting the application
 - ✓ Fault diagnostics and error handling
 - ✓ Sorting communication problems

Programmable Logic Controllers (PLC) –Delta PLC

Topics Covered

Programming / Project Development

Topic	Mode
➤ SIMATIC S7 PLC Functionalities ➤ Setting up Delta PLC hardware	Practical on PLC's
➤ Programming software <ul style="list-style-type: none">▪ PLC program structure in delta▪ The instruction set of WPL Soft▪ Parameters, functions and tools	Practical – PLC programming software
➤ CPU configuration, setting parameters and application of several I/O cards using the software	Practical – PLC programming software
➤ Addressing Concepts in Delta PLC's ➤ Detail information about Organizational Blocks, Function Block, Functions, System Function Block, System Function, Data block	Practical – PLC programming software
➤ Creating and Editing PLC programs ➤ Introduction to Bit Byte and Word Concept	Practical – PLC programming software
➤ Programming instructions arithmetic and logical <ul style="list-style-type: none">▪ Load /and /or/out / and Read / Write▪ Compare / Add / Sub /And /Or – Blocks▪ Leading edge / trailing edge instructions▪ MOVE block application	Practical – PLC programming software
➤ Programming instructions arithmetic and logical <ul style="list-style-type: none">▪ Timer Blocks programming▪ Counter Block programming▪ Comment functions▪ Comments in the PLC programs▪ Handling Analog I/Ps	Practical – PLC programming software

VFD – Variable Frequency Drives

Variable Speed Drives

- Introduction to Ac Drives
- Selection Criteria Of Drives
- Configuration Of Parameter
- Remote And Local Operation
- Communication With PLC/SCADA software
- Troubleshooting
- Case Study And Different Applications Of Drives In The Industry



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

Six days Technology Training Program on

" Embedded System "

For II year students of EEE

from (23.05.2022 to 28.05.2022)

Trained by

Shree Technologies Private Limited, Coimbatore

Co-ordinators

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

HoD

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

20/05/2022

This is to inform that six days training program on **EMBEDDED SYSTEMS** is going to conduct for II year EEE students from 23.05.2022 to 28.05.2022, by Shree Technologies private limited, Coimbatore. All the students are informed to attend and enrich your knowledge.

Faculty In-charge


HOD/EEE

5 Days Training Program

Day 1:

- Introduction to Electrical, and Electronics Engineering
- Introduction to Power supply design
- Introduction to Microprocessor and Microcontroller
- Microcontroller and its GPIO pins
- GPIO pins of Microcontrollers (AT89C52, PIC16F877a, LPC82x)

Day 2:

- Introduction to PIC Microcontroller
- Interfacing LED with PIC Microcontroller
- C Programming concept for using Microcontroller with Peripheral devices
- Interfacing seven segment display with Microcontroller
- Interfacing 16*2 LCD display with Microcontroller
- Interfacing switch and sensor with Microcontroller
- Interfacing Motor, Relay with Microcontroller

Day 3:

- Introduction to Proteus Design suite
- Generating a model circuit in Proteus Environment for Simulation
- Search, Select, Pick and Place the component in Proteus
- Run and Check the status of the designed circuit
- Introduction to Arduino IDE and Arduino Board
- GPIO pins of Arduino Board
- Interfacing led, seven segment display, LCD, switch, sensor, alarm, relay and motor with Arduino Board

Day 4:

- Creating circuit model using arduino board and peripherals (led,lcd,sevensegment,sensor,alarm,motor and relay) in Proteus design suite and uploading the program in board and simulate.
- Creating Model Project using Arduino Uno board
- Introduction to NODEMCU(ESP8266)
- Using the digital and analog pins of ESP8266 for interfacing peripherals
- Practical using Microcontroller. Arduino Uno board, ESP8266 for led, seven segment, lcd, switch, sensor, relay and motor interfacing

Day 5:

- Introduction to IOT
- Current Business Trends in IOT
- Benefits of IOT
- Barriers of IOT
- Case study
- IOT application architecture
- IOT using Blynk and ESP8266
- Modeling Automation using IOT

PROJECTS USING ABOVE CONCEPTS

BROCHURE



SSM

**INSTITUTE OF
ENGINEERING AND TECHNOLOGY**

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Dindigul – Palani Highway, Dindigul -624 002)

DEPARTMENT OF ELECTROINCS AND COMUNICATION ENGINEERING

“Technology Traning on Embedded System”

Date & Time :04-05-2022 to 10.05.2023

Time: 10.00 am to 01.00 pm

Venue : Seminar Hall - I

Resource Person

Mr.K.Ilanachezhian
Manager-Technical

Mr. S.Raja
CRG Engineer

Mr.Mohamed Nawfal,
CRG Engineer

Co-Ordinators
Dr.K.Rajesh,AP/ECE
Mr.R.Carol Praveen,AP/ECE

Faculty Incharge
K.Divya Ap/ECE

HoD/ECE
Dr.S.Karthigai Lakshmi

Principal
Dr.D.Senthilkumaran

All are cordially invited

CIRCULAR



SSM INSTITUTE OF ENGINEERING & TECHNOLOGY, DINDIGUL
Dindigul-Palani Highway, Dindigul-624002
Email: ssmictdgl@gmail.com Website: www.ssmiet.ac.in

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

CIRCULAR

02.05.2022

The Department of ECE has planned to conduct the Technology Teaching for second year students on "Embedded Systems" is scheduled to be conducted between 04.05.2022 to 10.05.2022. The main objective of this Training is to learn about the basics of Microprocessor and Micro controller, Internet of things using Arduino IDE. Students are instructed to attend this six days (54 Hours) training and get benefited.

Resource Person Details:

Mr. K. Ilanchezhian, Manager-Technical

Mr. S. Raja, CRG Engineer

Mr. Mohamed Nawfal, CRG Engineer

I A
21/5/22
Event Coordinator
(Dr. K. RAJESH,
Asst. Prof.,
Dept. of ECE)

K DIVYA
21/5/22
Staff in charge
(AP/ECE)

S. KOTHARE
HoD/ECE

TRAINING SCHEDULE

Syllabus

IOT- 5 Days Training Program Syllabus

Day 1:

- Introduction to Electrical, Electronics and Communication Engineering
- Introduction to Power supply design
- Introduction to Microprocessor and Microcontroller
- Microcontroller and its GPIO pins
- GPIO pins of Microcontrollers (AT89C52, PIC16F877a, LPC82x)

Day 2:

- Introduction to PIC Microcontroller
- Interfacing LED with PIC Microcontroller
- C Programming concept for using Microcontroller with Peripheral devices
- Interfacing seven segment display with Microcontroller
- Interfacing 16*2 LCD display with Microcontroller
- Interfacing switch and sensor with Microcontroller
- Interfacing Motor, Relay with Microcontroller

Day 3:

- Introduction to Proteus Design suite
- Generating a model circuit in Proteus Environment for Simulation
- Search, Select, Pick and Place the component in Proteus
- Run and Check the status of the designed circuit

- Introduction to Arduino IDE and Arduino Board
- GPIO pins of Arduino Board
- Interfacing led, seven segment display, LCD, switch, sensor, alarm, relay and motor with Arduino Board

Day 4:

- Creating circuit model using arduino board and peripherals (led,lcd,sevensegment,sensor,alarm,motor and relay) in Proteus design suite and uploading the program in board and simulate.
- Creating Model Project using Arduino Uno board
- Introduction to NODEMCU(ESP8266)
- Using the digital and analog pins of ESP8266 for interfacing peripherals
- Practical using Microcontroller. Arduino Uno board, ESP8266 for led, seven segment, lcd, switch, sensor, relay and motor interfacing

Day 5:

- Introduction to IOT
- Current Business Trends in IOT
- Benefits of IOT
- Barriers of IOT
- Case study
- IOT application architecture
- IOT using Blynk and ESP8266
- Modeling Automation using IOT

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Dindigul – Palani Highway, Dindigul -624 002)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

“Technology Training on JAVA Programming”

Date & Time :11-05-2022 to 19.05.2022

Time: 9.00 am to 4.00 pm

Venue : Network Lab

Resource Person

**Mr.M.Velmurugan
Team Leader-Pantech Solution
E - Learning**

**Mr.Hariram,
Sr.project Engineer,Pantech
E - Learning**

**Co-Ordinators
Dr.K.Vinoth Kumar
Dr.M.Prem Kumar**

**HoD/ECE
Dr.S.Karthigai Lakshmi**

**Faculty Incharge
Mrs.A.Geetha
Mr.Vetrimanikumar**

**Principal
Dr.D.Senthil kumaran**

All are cordially invited



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Dindigul - Palani Highway, Dindigul – 624 002.

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

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

CIRCULAR

10.05.2022

The Department of ECE has planned to conduct the Technology Teaching for Third year students on "JAVA Programming" is scheduled to be conducted on 11.05.2022 onwards. The main objective of this course is to acquire programming Skills in core Java and develop the skill of designing Graphical user Interfaces. The Students are asked to use this opportunity effectively.

Course Title	Resource Person	Duration	No of hours
Java Programming	1. Mr.Velmurugan, Team Lead, Pantech E-Learning. 2. Mr.Hariram, Sr.Project Engineer, Pantech E-Learning.	11.05.2022 to 19.05.2022	50

Coordinator

Dr.K.Vinod Kumar

Dr.M.Prem Kumar

Faculty In-charge

Mrs.A.Geetha

Mr.J.Vetrimanikumar

HoD/ECE (M.Tech)

Dr.S.Karthigai Lakshmi

Principal

Dr.D.Senthil Kumaran



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Dindigul – Palani Highway, Dindigul 624 002

Department of Electronics and Communication Engineering

Syllabus

1. Introduction to Java Programming

2. Syntax, Switch case, Looping Statements

3. Java Methods

4. Java Method Overloading

5. Java Classes

6. Abstraction

7. Encapsulation

8. Inheritance

9. Polymorphism

10. Java File Handling concepts

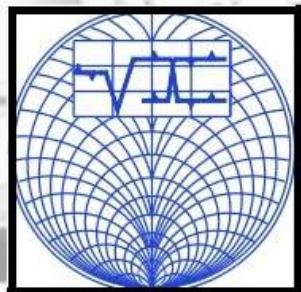
DEPARTMENT OF ECE

ORGANIZES

“LABVIEW and its Applications”

RESOURCE PERSON

**VI Solutions
Bangalore**



Date: 23-05-2022 to 27-05-2022

Time : 09.00am -04.00 pm

Venue: VLSI LAB

This is an Tentative Date. It may change due to Academic requirements.

Co-ordinators
Mr.M.Manikandan
Mr.V.P.Jay Fantin

HoD
Dr.S.Karthigai Lakshmi

Faculty Incharge
Mrs.M.Jeyalakshmi
Mrs.G.Saranya

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 ELECTRONICS & COMMUNICATION ENGINEERING

CIRCULAR

19.05.2022

The Department of ECE has planned to conduct the Technology Teaching for Final year students on “**LABVIEW and its Application**” is scheduled to be conducted on 23.05.2022 onwards. The main objective of this course is to acquire software skills in designing and developing circuits . The Students are asked to use this opportunity effectively.

Course Title	Resource Person	Duration	No of hours
LABVIEW and its Application	VI Solutions Bangalore	23.05.2022 to 27.05.2022	40

~~Mr. M. Manikandan
Mr. V.P. JayFantic~~

Coordinators
Mr.M.Manikandan
Mr.V.P.JayFantic

1. H.E.B
19/5/22 2. Profel
R.K.Raja

Faculty In-charge
Dr.M.Jeyalakshmi
Mrs.G.Saranya

Karthigai
S. Lakshmi

HoD/ECE
Dr.S.Karthigai Lakshmi

D.S. Senthil
Principal

Dr.D.Senthil Kumaran



LabVIEW and its Applications

OVERVIEW:

This Course will explore the LabVIEW environment and interactive analysis, dataflow programming, Data Acquisition system and IoT in a hands-on format.

COURSE OBJECTIVES:

- Use programming structures, data types, and the analysis in LabVIEW
- Debug and troubleshoot applications
- Use best programming practices for code reuse and readability
- Executing algorithms based on iterative process and condition driven application
- Students will get hands-on experience configuring and programming NI data acquisition hardware using NI-DAQmx and LabVIEW
-

GRAPHICAL SYSTEM DESIGN

Introduction to Graphical Systems Design using NI Technology – Hands on LabVIEW Programming concepts –Explore different data types – Troubleshooting and Debugging VI – Create and configure Case structures – Use cases of Decision Making Structures - sequential programming – Loops – Feedback Nodes – Shift Register – Creating and Leveraging Data Structures - Arrays and functions – Cluster and Functions – SubVI – Accessing Files in LabVIEW – File I/O Techniques.

DATA ACQUISITION SYSTEM and INTERNET OF THINGS

Introduction to Data Acquisition System – Building Blocks of Data Acquisition System - Hands-on NI DAQ – Data Acquisition & Logging (AI) – Data Acquisition & Control (AI & DO) – Acquisition & Linearization (AI – Sample on Demand) – Counters in Real-Time Applications – PWM & DAQ Counters – Interfacing Analog and Digital Sensor with DAQ – Data Logging – Introduction to IoT – communication Protocols for IoT – Passive Cloud – Firebase – Application development on IoT.

OUTCOME

- Experiment beyond the curriculum
- Ability to connect theory with real time applications
- Ability to learn, simulate, prototype and deploy using Integrated platform
- Acquire data from analog and digital sensors using NI hardware
- Apply advanced understanding of LabVIEW and the NI-DAQmx API to create applications

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DEPARTMENT OF MECHANICAL ENGINEERING

Submitted to the Principal

23.04.2022

Sub: Requisition of approval to conduct CATIA 3D Modelling software Training program – Reg.

It is planned to conduct **CATIA 3D Modelling Software Training** for IV year Automobile Engineering and Mechanical Engineering students under **Technology Training Program**. This training is to conduct by CADD Technologies School of Design Private Limited, Coimbatore.

Proposed duration		Timings		Number of days	Hours/Day	Total Hours
From	To	From	To			
25.04.2022	07.05.2022	09:00 AM	12:30 PM	10	07	$10 \times 07 = 70 \text{ hours}$
		01:30 PM	05:00 PM			

Year	Branch	Number of students	Amount per student	Total Amount (Rs.)
IV year	Automobile	15	1652/- (incl.GST)	24,780/-
IV year	Mechanical	42	1652/- (incl.GST)	69,384/-
Total Amount (Rupees Ninety Four Thousand One Hundred and Sixty Four Only)				94,164/-

The proposal and course content received from CADD Technologies School of design private limited, Coimbatore is also enclosed for your kind perusal and approval.

M. J. M. SABAREESWARAN

 ASP/Mech
(G. Sahayaraj) &
Programme Coordinators

HoD/AuE


HoD/Mech


Principal

CADD TECHNOLOGIES

SCHOOL OF DESIGN PRIVATE LIMITED

AUTOCAD & CAD CAM Training Center

33, Rajaji Road, Ram Nagar, Gandhipuram, Coimbatore - 641 009.

+91 99422 24219, 98420 79990, Tel : 0422 223 4400

corporate@caddtechnologies.com  www.caddtechnologies.com

Branches

■ COIMBATORE

* CHENNAI

■ MADURAI

* POLLACHI

13.04.2022

To,

The Principal,
SSM Institute of Engineering and Technology,
Dindigul - Palani Highway
Dindigul - 624 002.

Respected Sir,

Sub: Proposal for conducting Value Added Training at Campus Regarding

At the outset, we thank you so much for your continuous support and the courtesy extended during our visit yesterday. We furnish below the following details for your kind Perusal and necessary approval.

S.No	Department	Training On	Year of Students	No of Students (Approx.)	Rate/Student (Rs.)	Training Starts From
01	Mechanical	CATIA	3 rd and 4 th Year	80	1750/-+18% GST	25.04.2022
02.	Civil	AutoCAD	2 nd and 3 rd Year	36	1500/-+18% GST	21.04.2022
03.	EEE	Python	2 nd Year	22	1750/-+18% GST	1 st Week of May
04.	All 1 st Year	Python	2 nd Sem	270	1750/-+18% GST	1 st Week of May

We have enclosed herewith the detailed syllabus for your reference as well. Kindly approve the same and assuring you our best services at all times.

Thanking you,

Yours Faithfully,

For CADD Technologies School of Design Private Limited,

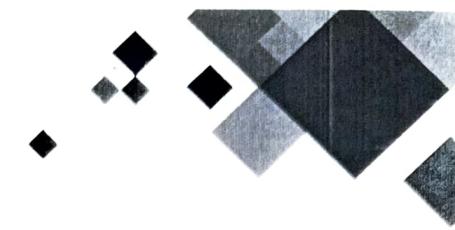
N.Venkatraman
Director, Head- Marketing and HR
+91 9842003196



AUTODESK
Authorized Training Center
Authorized Certification Center
Authorized Academic Partner

Institute
Product Training Partner

ptc
university
Authorized Training Center



33,Rajaji Road,Ram Nagar,Gandhipuram,Coimbatore - 641 009.
 +91 99422 24219, 98420 79990, Tel : 0422 223 4400
 corporate@caddtechnologies.com  www.caddtechnologies.com

Branches :

- COIMBATORE ■ CHENNAI
- MADURAI ■ POLLACHI

INVOICE

23.05.2022

Invoice No: CTS / SSMIET/ 22-23 / 07

To,

The Principal,
 SSM Institute of Engineering and Technology,
 Dindugal-Palani Bye Pass,
 Dindigul.

S.No	Description	No.Of Students/Slot	Rate/Student	Amount
01.	Training on CATIA for the Final year Students	Mechanical - 42 Automobile - 15	1400	79800.00
	Total No of Students	57 Nos		
	Add: IGST 18%			14364.00
	Total			94164.00

(Rupees Ninety Four Thousand One Hundred and Sixty Four Only)

Bank Details:

Account No: 0187360000000147

Account with: DBS- LVB Bank Ltd

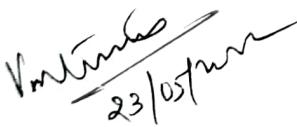
IFSC: DBSS0IN0187

Our GST No: 33AAECC9084H1ZJ, PAN: AAECC9084H

Thanking you,

Yours Faithfully,

For CADD Technologies School of Design Private Limited,


 23/05/2022

N.Venkatraman
 Director, Head- Marketing and HR
 +91 9842003196



AUTODESK
 Authorized Training Center
 Authorized Certification Center
 Authorized Academic Partner



**Bentley
Institute**
 Product Training Partner

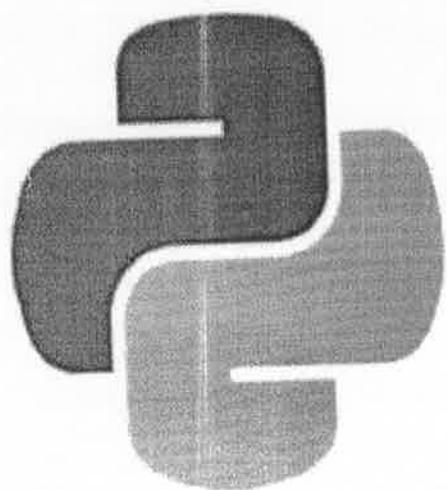


**ptc
university**
 Authorized Training Centre

SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY
DEPARTMENT OF MECHANICAL ENGINEERING

TECHNOLOGY TRAINING

ON



python
Programming

RESOURCE PERSON

Mr. S. PRATHEEP

Instructor

**CADD Technologies School of Design Pvt Ltd
Coimbatore**

06.06.2022

TO

14.06.2022

Faculty Coordinator

Mr. U. Karthick

**Assistant Professor
Mechanical Engineering**



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

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

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

Yours
Dr. G. Shanmugam





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 → *30/10/21*
2. Mr. V. Praveen Jesuraj, AP / Civil → *30/10/21*
3. Dr. V. Kandavel, ASP / Mechanical → *30/10/21*
4. Mr. G. Satheeshkumar, AP / EEE → *30/10/21*
5. Ms. N. Padmapriya, AP / CSE → *30/10/21*
6. Dr. K. Vinothkumar, ASP / ECE → *30/10/21*



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.

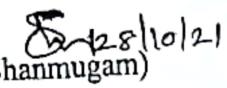
The account details of the payee are given below.

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



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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

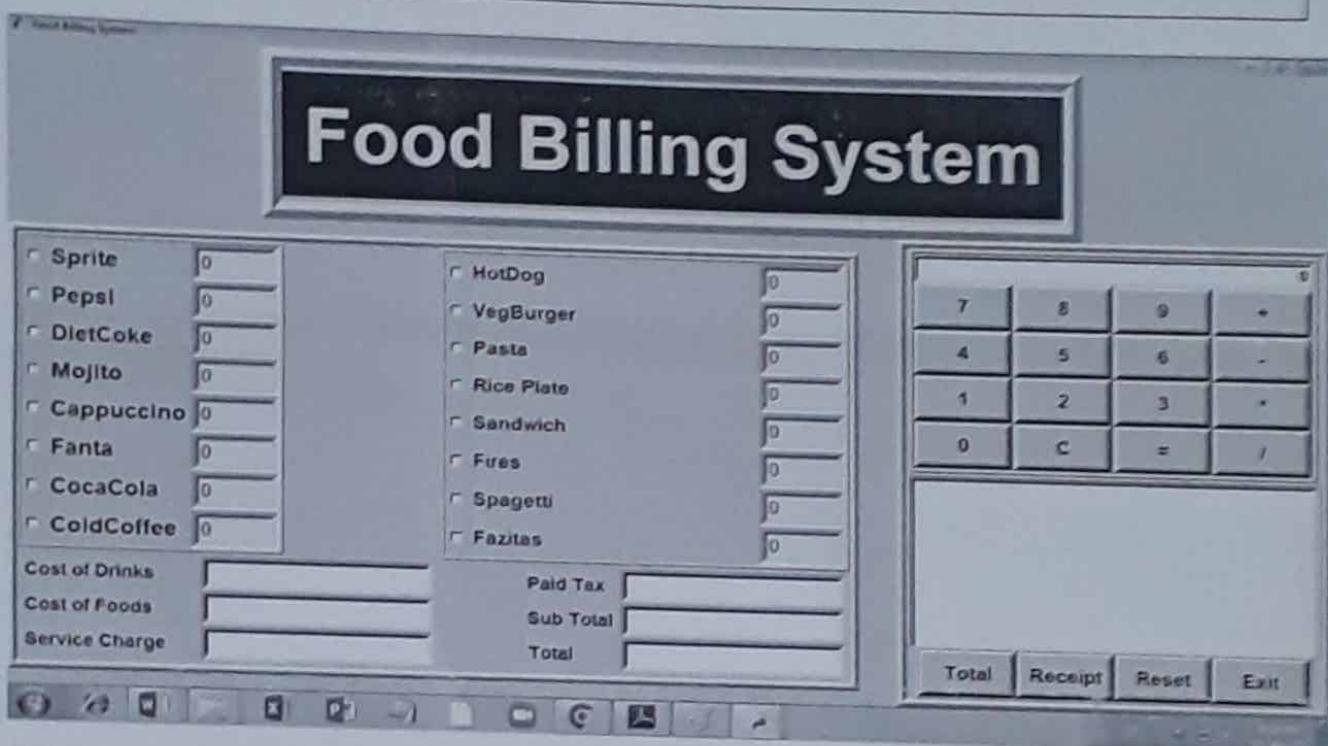
Programme Outcome:

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