CONTACT US

SLOG
SOLUTIONS PVT. LTD.
ISO 9001 : 2015 CERTIFIED

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SLOG, Jain Complex, 2nd Floor,
General Mahadev Singh Road,
Opposite Hotel Saffron Leaf,
Dehradun, Uttarakhand 248001
www.slogsolutions.com

TOP 10 REASONS WHY SLOG SOLUTIONS IS EVERY STUDENT'S CHOICE

100 % Job Guarantee
We take every necessary step to get you a suitable job on successfully completing the course

Trained and Certified Faculty
Award winning and Industry benchmarked training faculty

Unique Teaching Methodology
Innovative methods of teaching that make learning fun and easy to remember

Practical training through labs
One computer per student that enables practical software based training to all students

Scenario based learning
Through case studies and real life project, we provide a real life problem solving opportunity

Personality Development Sessions
Enhance your confidence and ensures better job and higher salary prospects

De-stress with Yoga
When you are relaxed, you find it easy to learn more

Approval
A well established and ISO, MCA and MSME approved training company in Dehradun.

Industrial Visit
Students will get an industrial visit to learn the practical work and experience the real life based project

Student Industrial Trip
Students will have 2 day tour in Uttarakhand

100 % JOB GUARANTEED MODULE

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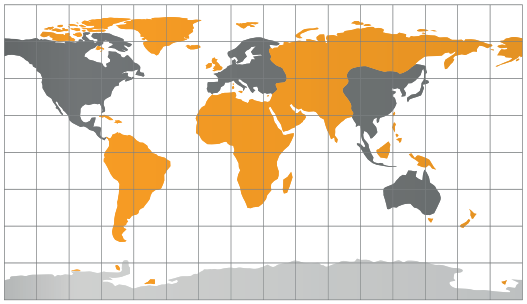
1 YEAR AND 6 MONTHS
MODULE



CERTIFICATION

One Diploma Certificate
5 Global Technical Training certificate
5 Project Certificate
Internship Certificate
Soft Skill Certification

Our Module have Two Phase.
Phase - I (240 Hours) & Phase-II (240 Hours)
Phase - I Contain Technical Part
Phase - II OJT (On Job Training) +
Learning skills

FEE:

For Detailed Fee Structure Please Visit
SLOG Campus.

TERMS AND CONDITIONS

For Detailed Visit SLOG Campus or
Call us at 7456000240/41.42

MODULE - 1 - CIVIL CAD PACKAGE **- Content of Phase-I (320hrs.)**
AutoCAD- Planning & Survey (70 Hours)
Revit- 3D modeling, Rendering, V-Ray, Detailing (70 Hours)
STAAD Pro- Structure analysis and Detailing, Detail drawings (50 Hours)
Estimation- Detail cost and estimation of building (40 Hours)
Primavera- Project Management (50 Hours)
PDP- Personality Development Program (20 Hours)
Interview facing skill development- Technical and Professional (10 Hours)
Resume writing (10 Hours)

MODULE - II MECHANICAL CAD PACKAGE **- Content of Phase-I (320 Hrs.)**
AutoCAD- Drafting & Isometric (60 Hours)
Solidworks- 3D modeling, detailing (60 Hours)
CATIA- 3D modeling, detailing (80 Hours)
Ansys- Analysis, Detailing and Simulation (80 Hours)
PDP- Personality Development Program (20 Hours)
Interview facing skills development- Technical and Professional (10 Hrs)
Resume writing (10 Hours)

MODULE - III WEB DESIGNING & DEVELOPMENT USING PHP
Content of Phase - I (320 Hrs.)
HTML- Building base of website (30 Hours)
CSS- Beautify the HTML Content (60 Hours)
JS – Make website interactive (60 Hours)
PHP- To make website dynamic (90 Hours)
MY SQL- To store dynamic data (40 Hours)
PDP- Personality Development Program (20 Hours)
Interview facing skill development- Technical and Professional (10 Hours)
Resume writing (10 Hours)

MODULE - IV **-** INTERNET OF THINGS
Content of Phase-I (320 Hrs.)
IOT - A technology designed to automate the simple devices using Internet (90 Hours)
ROBOTICS- A technology specially used for automation (90 Hours)
Industrial Automation (100 Hours)
PDP- Personality Development Program (20 Hours)
Interview facing skill development- Technical and Professional (10 Hours)
Resume writing (10 Hours)

MODULE - IV - DIGITAL MARKETING & NETWORKING
Content of Phase-I (320 Hrs.)
SEO- Process of growing the quality and quantity of website traffic (60 Hrs)
SMO- Process to generate publicity to increase the awareness of a service (60 Hrs)
Networking – (50 Hrs)
CCNA- Beginner level certification in networking by Cisco (60 Hrs)
CCNP- Advance level certification in networking by Cisco (50 Hrs)
PDP- Personality Development Program (20 Hours)
Interview facing skill development- Technical and Professional (10 Hrs)
Resume writing (10 Hrs)

MODULE - 1 - **AI & ML MODULE - Content of Phase-I (320hrs.)**
Python- Programming language (40 Hours)
Numpy- Library used for scientific calculations (30 Hours)
Pandas- Library used for data manipulation & for data analysis (30 Hrs
Python Sqlite3- Database used to store dynamic data (30 Hours)
SEABORN – Library for data visualisation (20 Hours)
MACHINE LEARNING – Technology used to train and test machine logical models (30 Hours)
DEEP LEARNING & NEURAL NETWORKS (50 Hrs)
ARTIFICIAL INTELLIGENCE (50 Hrs)
PDP- Personality Development Program (20 Hours)
Interview facing skill development- Technical & Professional (10 Hrs)
Resume writing (10 Hours)

Phase - II

(Common For All Modules)
On Job Training(OJT) (160 Hrs)

Get an EDGE over other STUDENTS with our EMPLOYABILITY TRAINING

In the real world, a winning personality is just as important as technical skills. We provide Technical industry based training and Personality Development programs in our courses. Our program focuses on enhancing their technical and communication skills. It includes extensive employability sessions such as mock interviews, thus ensuring that our students are industry ready at the completion of their course.

[Job Guarantee Training Program Module –CIVIL CAD Package]

[Mechanical CAD] Syllabus

Institute Information

Email
[slog.doon@gmail.com]

Contact No.
[7456000240/41]

Office Location
[Dehradun, Uttarakhand]

General Information

Duration
[320 Hrs]

Description
[software specially used in 2 Design, layout, Drafting, 3D Parts Modeling, Analyzing & Simulation]

Software used
[Autocad, Solidworks, Catia, Ansys]

Expectations and Goals
[After Completion of training students will be able to create their own projects and get job]

Course Content

AutoCAD [60 hrs]
TAKING THE AUTOCAD TOUR
- Starting AutoCAD
- Drawing Area
- Command Window
- Status Bar
- Starting New Drawing
- Dynamic Input Mode
- Creating And Managing

GETTING STARTED WITH AUTOCAD
- Coordinate Systems
- Drawing Lines & Circles
- Erasing Object
- Canceling & Undoing A Command

- Inputting Data
- Creating Basic Objects
- Using Object Snaps
- Using Polar Tracking And Polar Snap
- Using Object Snap Tracking
- Working With Units

MODIFYING OBJECTS

- Selecting Objects In The Drawing
- Changing An Object's Position
- Creating New Objects From Existing Objects
- Changing The Angle Of An Object's Position
- Creating A Mirror Image Of Existing Objects
- Creating Object Patterns
- Changing An Object's Size

CREATING ADDITIONAL

- Drawing Objects
- Working With Polylines
- Creating Splines
- Creating Ellipses
- Using Tables

ALTERING OBJECTS

- Trimming And Extending
- Objects To Defined Boundaries
- Creating Parallel And Offset Geometry Breaking An Object Into Two Objects
- Applying A Radius Corner To Two Objects
- Creating An Angled Corner Between Two Objects
- Changing Part Of An Object's Shape

HATCHING GRADIENTS

- Use Hatching/Gradients
- Create Annotative Hatch/Gradients
- Editing Hatch/Gradients Patterns
- Editing Hatch/Gradients Boundary
- Other Features Of Hatching/Gradient

DRAWING ORGANIZATION AND INQUIRY COMMANDS

- Using Layers
- Changing Object’s properties
- Matching Object’s Properties
- Using The Properties Palette
- Using Line types

- Using Inquiry Commands

DRAWING OBJECTS

- Creating And Editing Multilines
- Creating Revision Clouds
- Regions

MANIPULATING OBJECTS AND DATA

- Quick Select
- Purging Objects
- Working With Point Objects
- Dividing And Measuring Objects

DIMENSIONING

- Introduction To Dimensioning
- Basic Dimensioning ISOMETRIC DRAWINGS
- Changing The Workspace For Isometric Drawings
- Rules Of Isometric Drawings
- Working In Isometric Drawings
- Isometric Projections
- Isometric Axes & Planes
- Setting The Isometric Grid & Snap

LAYER MANAGEMENT AND BEST PRACTICES

- Working With Layer Filters
- Using The Layer States Manager
- Using Layer Standards

DIMENSIONING AND ANNOTATION

- Introduction To Annotation Scaling
- Controlling Annotation Scale
- Using Multileaders
- Dimensioning
- Creating Center Marks
- Creating Ordinate Dimensions
- Creating Geometric
- Dimensions And Tolerances
- Working With Dimension Substyles and Overrides.

WORKING WITH REUSABLE CONTENT

- Creating Blocks
- Working With Blocks
- Saving A Block
- Modifying Of Saved Block

- Reusing Saved Blocks

DESIGN CENTRE & TOOL-PALLETS

- Introduction
- Using Predefined Blocks
- Editing The Predefined Blocks In Design Centre & Tool Pallet

CREATING TEXT & TABLES

- Creating Simple & Multiline Text
- Editing Text
- Changing Text Style
- Inserting Tables
- Modifying Tables

Solidworks [60 Hours]-

INTRODUCTION

Concept of Design
CAD/CAM/CAE
History of Solidworks
Modules in Solidworks
Applications & Scope
System requirement

SKETCHER

Creating Sketches
Editing Sketches

PART MODELING

Part Designing
Reference Geometry
Placed Features

ASSEMBLY MODELING

Assembly Mates
Manipulation

DRAWING VIEWS DETAILING

Layout
Templates
Detailing

DATA CONVERSION

Convert Files

Export Import Files

INTRODUCTION OF DESIGN CONCEPT AND PROCEDURE

Detailed Concept Of CAD
Need Importance Of CAD
Overview About Actual Designing In Industries, Fundamentals Of Design And Its Implementation Methods
All Characteristics Of Solidworks To User Friendly Atmosphere
Superiority Of Solidworks With Its Use And Demand In Industries

TAKING THE SOLIDWORKS V5 TOUR

Introduction To Solidworks.
System Requirements
Solidworks In Windows
The Workbench Concept
Workbenches In Solidworks
Adjusting The Interface
Creating And Managing

Graphic User Interface
Menu And Toolbars
Opening Files
Creating New Files
Keyboard Shortcuts
Selecting/Moving Objects With Mouse
Working With Planes
Properties Toolbar
Changing The Properties
Changing The Interface From 3d Modeling To 2d Sketching And Vice-Versa
Uses Description About Feature Manager Design Tree
Working With Respect To Ucs.
Setting Up The Document Options SKETCHER
Getting Started With Sketch
Creating Centerlines
Constructing Lines, Ellipse, Circle, Arc
Creating Slots, Polygon, Parabola, Spline
Equation Driven Curve
Point, Creating Text
Creating Construction Geometry
Rapid Sketch
Sketch Fillet
Sketch Chamfer
Offsetting Entities
Converting Entities
Trim, Extending Entities
Mirror

Moving Sketch Entities
Moving Sketch Entities
Copying The Sketch Entities
Rotating Sketch Entities
Scaling Sketch Entities
Modify Sketch
Close Sketch Of Model
Sketch Picture
Area Hatch / Fill
Sketch Patterns
Blocks, Relations
Automatic Relations
Conflicts In Relations
Dimensioning
Exiting The Sketch
3d Sketching

PART MODELING

Terminologies Used In Part Modeling Environment
Entering The Part Module
Choosing The Sketch Plane
Extruding Boss/Base Features
Revolving Boss/Base Features
Creating Sweep Features
Creating Loft Features
Creating Cut Features
Selecting Geometrics In Solid Works

REFERENCE GEOMETRY

Reference Planes
Creating New Planes
Creating Reference Axes
Creating Reference Points
Creating Reference Coordinate Systems
Editing Reference Geometries
Creating Curves
Creating Simple Holes
Creating Standard Holes Using The Hole Wizard
Creating Fillets
Creating Chamfers
Creating Shell Features
Creating Rib Feathers
Creating Draft Feature
Creating Pattern

ASSEMBLY MODELING

Types Of Assembly Design Approaches
Working With Solid Works Assembly Bottom-Up Approach
Positioning The Components In Assembly
Assembly Mates
Standard Mates
Advanced Mates
Mechanical Mates
Smart Mates
Mate Reference
Replacing The Assembly Components
Rotating A Component
Moving Components
Detecting Interference
Assembly Pattern
Assembly Mirror
Creating Exploded View
Physical Simulation
Top Down Design
Assembly Performance
Configuration In Assembly
Smart Components
Smart Fasteners

CATIA [80 Hours]

INTRODUCTION

- Introduction to CATIA
- CATIA Workbenches
- System Requirements
- Getting Started with CATIA
- Important Terms and Definitions
- Understanding the Functions of the Mouse Buttons
- Toolbars
- Hot Keys
- Color Scheme

DRAWING SKETCHES IN THE SKETCHER WORKBENCH-I

- The Sketcher Workbench
- Starting a New File
- Invoking the Sketcher Workbench
- Setting the Sketcher Workbench
- Understanding Sketcher Terms

- Drawing Sketches Using Sketcher Tools
- Drawing Display Tools

DRAWING SKETCHES IN THE SKETCHER WORKBENCH-II

- Other Sketching Tools in the Sketcher Workbench
- Editing and Modifying Sketches

CONSTRAINING SKETCHES AND CREATING BASE FEATURES

- Constraining Sketches Working With Polylines
- Concept of Constrained Sketches Creating Ellipses
- Applying Geometrical Constraints
- Analyzing and Deleting Over-Defined Constraints
- Exiting the Sketcher Workbench
- Creating Base Features by Extrusion
- Creating Base Features by Revolving Sketches
- Dynamically Rotating the View of the Model
- Modifying the View Orientation
- Display Modes of the Model
- Creating Sections Dynamically
- Assigning a Material to the Model

REFERENCE ELEMENTS AND SKETCH-BASED FEATURES

- Importance of Sketching Planes Reference Elements
- Other Sketch-Based Features

CREATING DRESS-UP AND HOLE FEATURES

- Advanced Modeling Tools

EDITING FEATURES

- Editing Features of a Model

Changing Object's properties

- Measuring Elements

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ANSYS [80 Hours]

INTRODUCTION

About ANSYS

ANSYS Basics Mechanics

What is FEA?

History Of FEM

Need Of FEM Future Of FEM

BASICS OF FEM FEM

Procedure (Theoretical) Steps In FEM

Theories Of Failure

Different Types Of Analysis

FEA Design Intent

ANSYS Workbench Environment

Understanding GUI

Manipulating Model

Standard Toolbar

ANSYS Toolbar

File Types

The Database Files

CAD MODELING USING ANSYS

WorkPlane

Co-ordinates System Units

Different Types Of Modeling

Methods of Solid Modeling

Import Formats

Working With IGES Files

Geometry Cleanup For Meshing

MESHING (BASIC)

Introduction

Classifications Of Elements

Use Of Meshes

Types Of Meshes

MESHING (ADVANCE) TECHNIQUE

Mesh Generation

Different Techniques Involved In Meshes

Manual Meshing

FINALIZING FE MODEL FOR ANALYSIS

Element Quality Area

Quality Check Is Mesh

Material

Conditions For Boundary

ADVANCE BOUNDARY CONDITIONS

Application Of Mass Elements

Application Of Rigid Elements

Mesh Generation

HANDLING PROJECTS

Steps In FEA

Integrative and Dead-end FEA

PROJECT SKILLS

Possible Errors

Report Generator

PROJECTS

Power Transmissions Tower

Bicycle Frame

PDP- Personality Development Program [20 Hours]
Interview Facing Skill Development [10 Hours]
Resume Writing [10 Hours]