CONTACT US

SLOG
SOLUTIONS PVT. LTD.
ISO 9001 : 2015 CERTIFIED

+91-7456000240/42/42/43

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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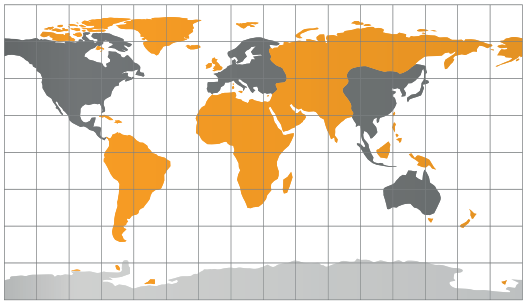
1 YEAR AND 6 MONTHS
MODULE



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]

[CIVIL CAD] Syllabus

Institute Information

Email
[slog.doon@gmail.com]

Contact No.
[7456000240/41]

Office Location
[Dehradun, Uttarakhand]

General Information

Duration
[320 Hrs]

Description
[A software specially used in 2D planning, layout, Drafting, 3D Modeling, Structure Analyzing & Designing, Estimation and Project Management]

Software used
[Autocad, Revit, Staad Pro, Estimation, Primavera]

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

Course Content

AutoCAD [70 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

PLANNING

- House planning
- Drafting
- Layout

Mapping and survey

- Introduction of Mapping and Layout
- Basics of survey
- Various technical terms used in survey

- Different type of road profiles
- Uses and advantages of total station
- Data exporting from total station

- Working over exported data
- Excel scripting and filtering data

- Drawing symbols used in this work
- Creating block of symbols
- Exporting the co-ordinate from excel
- Creating layers
- Layout the map using scripted data

- Proper formatting the drawing layout
- Setting up page for print
- Creating pdf

Revit [70 Hours]

BUILDING INFORMATION MODELING:

• Building Information Modeling
For Architectural Design

REVIT ARCHITECTURE BASICS:

• Exploring the User Interface
• Working with Revit Elements and Families
• Starting a Project
• Fundamental of Massing Studies
• Creating / Modifying Topographic Surface

THE BASICS OF THE BUILDING MODEL:

• Creating and Modifying Levels, Grids
• Adding Columns
• Creating a Basic Floor Plan
• Adding and Modifying Walls
• Using Editing Tools
• Adding and Modifying Doors, Windows

VIEWING THE BUILDING MODEL

• Managing Views
• Controlling Object Visibility
• Working with Section and
Elevation
• Creating and Modifying 3D Views
• Using Dimensions and Constraints

DEVELOPING THE BUILDING MODEL:

• Creating and Modifying Floors
• Working with Ceilings
• Creating Openings
• Adding and Modifying Roofs
• Creating / Editing Curtain Walls
• Adding Stairs, Railings and Ramps

WORKING WITH FAMILIES:

• Understanding Family Editor
• Creating / Editing Family Component
• Working with Component Families

DETAILING YOUR DESIGN:
- Creating Callout Views
- Working with Text and Tags
- Working with Detail Views
- Working with Drafting Views

DOCUMENTING / ANNOTATING YOUR DESIGN:
- Creating and Modifying Schedules
- Creating Rooms / Area Tags

PRESENTING THE BUILDING MODEL:
- Working with Drawing Sheets, Title blocks
- Managing Revisions
- Creating Renderings
- Using Walkthroughs
- Using Sun and Shadow Settings
- Creating DWF files

IMPORTING AND EXPORTING FILES:
- Importing and Using External Files
- Exporting to External Files

STAAD PRO [50 Hours]

Introduction of Staad Pro
Starting Staad Pro
Creating New file
Opening Existing File
Closing a file
Saving, Saving As
Module Review
Salient Features
Hardware Requirements
Screen information
Structural Analysis
Types of Structures
Idealization of Structures
Various Unit Systems
Coordinate Systems
Global Coordinate System
Local Coordinate System
Staad Commands
Command Formats
Free Formatting Input

Commenting Input
Meaning of Underlining
Problem Initiation
STAAD Editor

STRUCTURAL MODELING:

Nodes, Beams, & Plates
Input File Geometry Creation
Structure Wizard
Things in Structure Wizard
Drafting using a Snap/Grid
Viewing
Selecting
Viewing 3D Geometry
Joint Coordinate
Graphical User Interface
Incidence Specification
Graphical User Interface

OTHER USEFUL FUNCTION TO COMPLETE THE GEOMETRY:

Introduction
Translation Repeat
Circular Repeat
Insert Node
Add Beams
Cut Section
Undo / Redo
Dimensioning

PROPERTY DETAILS:

Material Specification
Material Constants
Constant Specifications
Member Property
Prismatic Property
Tapered Member
User Table Specifications

MEMBER:

Inactive / Delete
Member Offset
Member Release
Member Truss
Global Support
Inclined Supports

Curved Member
Member Cable

LOADING PARTICULARS:

Loading Specifications
Self-weight Loading Specifications
Member Load Specifications
Area Load
Area Load
Floor Load
Load Combination

ANALYSIS:

Analysis Specifications
Print Specifications
Pre Analysis Print Cmd
Post Analysis Print Cmd
Load List Specifications
Report Generation
Output file

POST PROCESSING:

Introduction
First Steps
Node Displacement
Node Reactions
Beam forces
Beam Stresses
Beam Graphs
Plate Contour
Plate Results Along line
Animation
Reports

R. C. DESIGN:

Concrete Design As per IS 456
Design Parameters
Design of Beams
Design for Flexure
Design for Shear
Design of Columns
Concrete Design & Parameter
Concrete Design Command
Concrete Take of
Concrete Design Terminator

Interactive Design
Beam Brief
Column Brief

STEEL DESIGN:

Steel Design As per IS 800
Allowable Stresses

Estimation- Detail cost and estimation of building [40 Hours]

- Introduction
- Cost estimation definitions
- Parametric cost estimation methodology
  Select the most appropriate cost estimating methodology (or combination of methodologies) for the data available to develop a high-quality cost estimate.
- Analogy cost estimation methodology
  The most appropriate methodology at initial stages (Feasibility and design phases) lectures include cases study and examples with more than one tool.
- Engineering Build-up Cost estimation methodology
  Bottom-Up or Engineering Build-Up is the common methodology
  Also a form used for detailed cost estimation for highly proficient engineers.
- Cost Estimation Life cycle – Accuracy
  Cost estimation passes through the duration of work and projects with accurate changes and difficulties affecting decision-making. It is very important that are given very high attention during all stages of project life.
- How to build a cost breakdown structure
  You will learn how to build Cost Break down structure and mapping with WBS and RBS
- Factor influence cost estimation and difficulties
  What you have to consider during estimating cost (difficulties and factors influence cost estimation and risk level)
- Cost Estimation Processes - Tasks related to project definitions
  As a Cost estimators you will learn how to define item scope of work and breakdown it into a detailed component.
- Cost Estimation Processes - Tasks related to project definitions
  What is the WBS dictionary - As a Cost estimators you will learn how to define item scope of work and breakdown it into a detailed component.
- Cost Estimation Processes - Tasks related to Methodology
  You will learn what tasks related to choosing appropriate methodology.
  What is the GR&A (ground rules and assumption).
  You will learn how to use cost estimating form and break up items.
  You will learn how to gather data required for cost estimating and classify it.

- Cost Estimation Processes - Tasks related to Estimating cost

You will learn:

- Cost estimation steps
- How to organize your document.
- How to present your work and for whom.
- Update data and estimation.
- Cost Estimation Processes - Estimator job

You will know about Cost estimator:

- Responsibility
- Job
- Skills required.

And you will learn what data you have to collect during project site visit.

Primavera (Project Management) [50 Hours]

1. Primavera Introduction

- P6 EPPM Suite
- Difference between P6v7 and P6 Release 8.2
- About P6 Release 8.2
- GUI of Primavera P6 Release 8.2 Client

2. Data Structure of primavera

- Structure
- Data
- Organizational Breakdown Structure
- Procedure to Create an OBS
- Delete an OBS
- Enterprise Project Structure
- Delete an EPS
- EPS Page

3. Projects

- Create Projects
- Procedure to Create Projects
- Delete Projects or EPS Elements
- Opening Projects or Templates in the EPS
- Projects Detail Window

4. Calendar

- Introduction to Calendar
- Types of Calendar
- Creating Global Calendar
- Procedure to Create a Calendar
- Exception
- Creating Projects Calendar
- Changing a Project Calendar to a Global Calendar

Creating Resource Calendars

- Assigning a Resource to Resource Calendar
- Conversions
- Timescale in Gantt Chart

5. Work Breakdown Structure

- Introduction to WBS
- WBC Structure
- Creating a WBS
- Working with WBS Elements
- Creating a WBS from a Template
- Configuring General WBS Information

6. Activities

- Introduction about an Activity
- Assign Calendar to the Projects
- Creating Activities
- Configuring General Tab
- Adding activities using Activity Details

7. Relationship

- Introduction about Relationship
- Types of Relationship
- Adding Relationship to the Activities
- Adding Relationship using mouse
- Linking Activities in Series
- Predecessor and Successor Form in Activity detail Window
- Dissolve Activity
- Apply Lead or Lag
- Creating a Relationship

8. Scheduling

- Introduction about Scheduling
- Critical Path Method
- Procedure for Scheduling
- Schedule Check
- Procedure for Scheduling

9. Constraints

- Introduction about Constraints
- Types of Constraints
- Constraints

Constraints Categories

10. Codes

- Introduction about Codes

- Projects Codes
- Activity Codes
- Resource Codes

11. Roles

- Introduction about Roles
- Administration page in Resource tab
- Creating Roles
- Detail Window
- Assigning a Resource to a Role
- Role Team
- Creating a Role Teams

12. Resources & Its Team

- Introduction about Resources
- Types of Resources
- Define Resources
- Resources Team
- Introduction about Resource Team
- Define Resource
- Drive Activity Dates
- Methods

13. Assigning a Resource

- Assigning a Resources to an Activity
- Multiple Activities
- Assign Role to an Activity
- Assign Resource to Role
- Resource Curve

14. Resource Analysis & Leveling

- Introduction about Analysis of a Resource
- Analysis
- Project Workspace
- Team Usage
- Resource Analysis
- Resource Leveling
- Duration Type
- Manual Methods of Resource Leveling

15. Baseline

- About Baselines
- Setting Baseline
- Assign Baseline
- Display Baselines

- Customize Gantt chart

16. User Defined Fields

- Introduction about User Defined Fields
- Creating Activity UDF
- WBS UDF
- Expense UDF
- User Defined Field
- Global Change

17. Update

- Introduction about Update
- Choose a Method for Updates
- Percentage Update
- Updating the Progress of Activities
- Units % Complete
- Physical % Complete
- Progress Spotlight
- Types of Updates
- Manual Update
- Physical % Complete
- Units % Complete
- Automatic Updates
- Display a Progress Line in the Gantt Chart

18. Check In & Check Out

- About Check in & Check out
- To Check out
- Check in
- Check out

19. Tracking

- Introduction about Tracking
- Earned Value Analysis
- Earned Value Fields

20. Views

- Introduction about Views
- Activity View
- EPS View
- Customize Columns
- Customize Filters
- Customize Bars
- Customize activity Network

- Gantt chart View
- Activity Layout
- Filter
- Group & sort

21. Reports

- Introduction about Reports
- Procedure to take Reports
- Tabular Reports
- Create New Report through Wizard
- Report Group
- Batch Report
- Report Preference
- Graphical Report

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