



Softcrayons

# REVIT ARCHITECTURE

**Empowering minds  
shaping futures**



## PROFESSIONAL CERTIFICATION IN

# REVIT ARCHITECTURE



## PROSPECTUS





# Key Advantages of Choosing Softcrayons

## FOR STUDENTS

**Supplemental Learning Resources:** Softcrayons offers offline and online courses, educational materials, and additional resources that can complement and enhance college students' learning.

**Skill Development:** Softcrayons offer courses and certifications focused on developing specific skills that are in high demand in the job market.

**Career Exploration:** Softcrayons offer a wide range of courses across various disciplines, enabling college students to explore different fields and potential career paths.

**Industry Relevance:** Softcrayons frequently collaborates with industry professionals and experts to ensure that the knowledge and skills imparted are relevant and aligned with current industry practices and trends.

## FOR FREELANCER & JOB SEEKER

**Flexibility:** Softcrayons offers online courses and programs that can be accessed from anywhere.

**Skill Development:** To acquire in-demand skills according to the latest industry trends and technologies to stay competitive in the job market.

# Key Advantages of Choosing Softcrayons

**Certifications:** Softcrayons provides you with Professional Certifications and helps you with Resume Enhancement.

**Career Support:** Softcrayons also offers career counseling and job placement assistance, which can be invaluable for freelancers seeking new projects or job seekers looking for employment.

## FOR ENTREPRENEURS AND BUSINESS OWNER

**Upskilling and Reskilling:** As the business landscape evolves rapidly, Softcrayons ensure that you stay up-to-date with the latest trends, technologies, and best practices.

**Flexible Learning:** Online courses offered by Softcrayons allow you to learn at your own pace, fitting your studies around your busy schedules.

**Entrepreneurial Skills Development:** Softcrayons offers courses and programs specifically designed to help entrepreneurs develop essential skills.

**Cost-effective:** Softcrayons provides more affordable learning options that help you invest in your professional development without straining your budget.

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# REVIT ARCHITECTURE

## TRAINING CURRICULUM

### 1 Introduction to Revit Architecture

#### – Day 1

#### Overview of BIM (Building Information Modelling)

- What is BIM?
- Benefits of BIM over traditional CAD
- Introduction to Autodesk Revit
- Fundamentals of REVIT Software
- REVIT Project Templates
- REVIT Family Templates
- Introduction to Building Services – Architecture, Structural, MEP
- Work Flow Chart of Building Services
- Basic Views

#### Getting Started with Revit

- User Interface Overview
- Navigating the workspace (Ribbon, Properties, Project Browser)
- Introduction to Project Templates
- Opening, Saving, and Managing Projects

### 2 Basic Building Elements

#### – Day 2

#### Starting a Project

- Setting up levels and grids
- Importing and linking CAD drawings
- Understanding the Revit Project environment

#### – Day 3

#### Basic Walls, Doors, and Windows

- Drawing and Modifying Walls
- Create stacked wall and modifying
- Adding Doors and Windows
- Working with wall types, properties, and families

## – Day 4

### Floors ceiling and Roofs

- Creating Floor Types
- Sketching and Editing Floor Boundaries
- Creating ceiling
- Designing Roofs (Slope, Shape, and Roof Types)

## – Day 5

### Components

- Place a component
- Model in place

### Model

- Model text
- Model line
- Model group

## – Day 6

### Opening

- By face, shaft, wall, vertical, dormer

## ③ Advanced Modelling Techniques

## – Day 7

### Stairs, Ramps, and Railings

- Creating Straight and Spiral Stairs
- Designing Railings, Balustrades and hand rail
- Modelling Ramps

## – Day 8

### Curtain Walls and Advanced Wall Techniques

- Creating Curtain Walls
- Working with Curtain Grids, Mullions, and Panels

## – Day 9

### Columns and Beams

- Placing Structural and Architectural Columns
- Working with Beam Systems and Joins

## 4 Rooms, Spaces, and Areas

### – Day 10

#### Working with Rooms

- Placing Rooms and Room Tags
- Defining Room Boundaries
- Room Scheduling and Legends

#### Spaces and Area Plans

- Defining Space Boundaries
- Area Plans and Schedules

## 5 Steps to Use Massing and Site Tools

### – Day 11

#### Enable Massing Tools

- Create Massing
- Add Mass Floors
- Add Mass Floor
- Generate Schedules

### – Day 12

- Add a Topographic Surface
- Create Building Pads
- Graded Regions

### – Day 13

#### Use Cases

- Early Design
- Site Planning

## 6 Views and Visualization

### – Day 14

#### Controlling View Properties

- Section Views, Elevations, and 3D Views
- Plan Views and Callouts
- Visibility and Graphic Overrides



## – Day 15

### Rendering and Presentation

- Introduction to Revit's Rendering Engine
- Applying Materials, Lights, and Shadows
- Creating Rendered Views and Walkthroughs

## 7 Annotation and Documentation

## – Day 16

### Dimensions and Text

- Placing Dimensions and Managing Dimension Styles
- Adding Text Notes and Leaders

### Tags and Legends

- Adding and Customizing Tags
- Creating Legends for Components and Systems

### Detailing

- 2D Drafting Tools (Lines, Detail Components, Regions)
- Creating and Managing Detail Views
- Keynotes and Annotation Symbols

## 8 Schedules and Sheets

## – Day 17

### Creating Schedules

- Schedule Types (Room, Door, Window, etc.)
- Customizing Schedule Appearance
- Sorting and Filtering Schedule Data

## – Day 18

### Creating Sheets and Layouts

- Organizing Views on Sheets
- Adding Title Blocks and Sheet Numbers
- Printing and Exporting Sheets

## 9 Family Creation

### – Day 19

#### Introduction to Families

- Family Categories and Types
- Loading and Editing Families

### – Day 20

#### Creating Custom Families

- Parametric Families and Constraints
- Creating Doors, Windows, and Furniture Families

## 10 Collaboration and Work-sharing

### – Day 21

#### Collaboration in Revit

- Linking Revit Models
- Work-sharing and Central Models
- Managing Work sets

#### Coordination with Other Disciplines

- Clash Detection
- Working with MEP and Structural Models

## 11 Project Management and Output

### – Day 22

#### Phases and Design Options

- Setting up Phases for a Project
- Working with Design Options and Alternatives

#### Printing, Exporting, and Publishing

- Exporting to CAD, DWF, and PDF
- Printing and Publishing Revit Models

## 12 REVIT Advance

### – Day 23

- Collaborate Menu
- Concept and Creation of central file
- Working option of central file
- Fabrication Setting in Revit
- Work plan settings
- Views range options
- Bill of quantities

## 13 Final Project: Comprehensive Building Design

### – Day 24

- Objective: Apply the skills learned throughout the course to complete a comprehensive architectural project in Revit.
- Deliverables: Final Revit Model, Sheets, Schedules, Rendered Views, and Walkthroughs

## 14 Additional Resources

### – Day 25

- Autodesk Revit Tutorials and Guides
- Revit Families and Component Libraries
- Online Revit Forums and Support



# PLACEMENT COMPANIES



# Testimonials of Students



**Ak Mew**

1 review

★★★★★ 2 months ago

Hi dear learner I am arman I am softcrayons student I have my **AutoCAD** training done today from softcrayons my trainer name is Dablu kumar.he is very knowledgeable.and shivi ma'am is very supportive for all thinks like fee job class timing and etc thank you ma'am and thank-you softcrayons noida



**Deepak Singh Bhandari**

1 review

★★★★★ a year ago

I am Deepak from Uttarakhand I have completed my **AutoCAD** solid work nx cad training from softcrayons. softcrayons is the best institute for learning part. and thank you for Shivani ma'am because she is a great person. and thank you Shivani ma'am for your guidelines.



**Vishal Goswami**

4 reviews

★★★★★ a day ago **NEW**

Best autocad institute in noida. Dablu sir is a best trainer in this institute on autocad and other courses.



**Mohammad Amaan**

3 reviews

★★★★★ 4 days ago **NEW**

my experience with **AutoCAD** has been good and positive. Best institute techears is best and friendly

👍 Like



**vishal panday**

3 reviews · 2 photos

★★★★★ 9 months ago

Hie im vishal im student in softcrayons tech solution my course is autocad im happy becoz of my trainer and softcrayons atmosphere ...



**Nitesh Yadav**

2 reviews

★★★★★ 2 days ago **NEW**

I have a great experience from softcryaons .Teaching method are well and good of all faculties. Specially thanks Dablu sir for CAD trainer .

This is a best platform for increase your skills in autocad and many design softwares.





# **SOFTCRAYONS®**



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