



Softcrayons

# REVIT MEP

*Empowering minds  
shaping futures*



# PROFESSIONAL CERTIFICATION IN

# REVIT MEP



## 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.

# About The Program

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Softcrayons Revit training program provides a thorough understanding of Revit's capabilities and applications. The course covers introduction to Revit and its interface, basic drawing and editing tools, working with walls, floors, roofs, and ceilings, creating and modifying families, design documentation and detailing, collaboration and project management within Revit, advanced modeling and rendering techniques. The primary objectives of the Revit training at Softcrayons are to provide a solid foundation in using Revit for BIM, To develop proficiency in creating and managing building models, To teach best practices for project collaboration and management, To prepare students for real-world design and documentation challenges.



# INDEX



- 1 BIM INTRODUCTION**
- 2 REVIT MEP**
- 3 REVIT MECHANICAL HVAC**
- 4 REVIT ELECTRICAL**
- 5 REVIT PLUMBING**
- 6 REVIT FIRE FIGHTING**
- 7 REVIT MODELING**
- 8 REVIT PRESENTATION**
- 9 REVIT ADVANCE**

# REVIT MEP

## TRAINING CURRICULUM

### 1 BIM INTRODUCTION

#### – Day 1

- Introduction to RAVIT
- Building information Modelling
- Purpose & Benefits of BIM
- Fundamentals of RAVIT Software
- RAVIT Project Templates
- RAVIT Family Template
- Introduction to Building Service – Architecture, Structural, MEP
- Work Flow Chart of Building Services
- Basic Views
- Exploring the User Interface
- Ribbon Framework
- Guidelines for Using the User Interface

### 2 REVIT MEP

#### – Day 2

- Introduction to MEP Systems
- Components of MEP Systems
- Co-ordination in MEP Systems

### 3 REVIT MECHANICAL HVAC

#### – Day 3

- Linking REVIT Files
- Linking CAD & Other Format Files
- Managing links
- Copying and Monitoring Elements
- Copying Grids & Levels
- Preparing Space, Zone & Building
- Analyse Menu

## – Day 4

- Heating/cooling definitions
- Heating /cooling loads calculations
- HVAC System creation and layouts
- Creating Space in Close & Open Areas in Multi-Level

## – Day 5

- Duct System Modelling
- Planning Duct System
- Manually Create Ductwork
- Automatic Ductwork Layout

## – Day 6

- Adding and Modifying Fittings
- Adding & Modelling Duct Accessories
- Air Terminals

## – Day 7

- Secondary Supply Air System
- Adding Mechanical Equipment
- Inspection the Ducting System

## – Day 8

- Chilled Water Piping System Modelling
- Creating Piping System
- Manual Piping Network
- Auto Layout of Piping System

## – Day 9

- Sizing the Piping System
- Adding Valves as per Equipment
- Inspecting the piping System
- Co-ordination

# 4 REVIT ELECTRICAL

## – Day 10

- Linking REVIT Files
- Linking CAD & Other Format Files
- Coping Grids & Levels
- Electrical Setting
- Lighting



- Types of lights (recessed, surface mounted & wall mounted)
- Lighting Placement

## – Day 11

- Switch board placement
- Writing connections from switch board to lighting
- Power
- Types of Receptacles
- Receptacle Placement
- Writing connection from DB to receptacles

## – Day 12

- Conduits
- Different sizes of conduit
- Conduit Fitting & Accessories
- Conduit placement in project

## – Day 13

- Cable Trays
- Cable tray types & its sizes
- Cable tray fitting & accessories
- Placement of cable tray in project

## – Day 14

- Distribution boards (DB)
- Different sizes of DB's on current rating
- DB placement in project
- Writing connections from DB to loads
- Transformer

# 5 REVIT PLUMBING

## – Day 15

- Linking REVIT Files
- Linking CAD & Other Format Files
- Coping Grids & Levels
- Adding Plumbing Fixtures
- Modifying Plumbing Fixtures

## – Day 16

- Drawing Piping for Plumbing System
- Working with Plumbing System
- Plumbing and Pipe Work
- Mechanical Setting - pipes

## – Day 17

- Piping System
- Hot Water & Cold-Water System
- Parallel Pipes
- Modifying Pipes
- Adding and Modifying Fitting

# 6 REVIT FIRE FIGHTING

## – Day 18

- Linking REVIT Files
- Linking CAD & Other Format Files
- Coping Grids & Levels
- Zoning of Firefighting System
- Firefighting Systems-Concepts
- Sprinkler Piping System Modelling
- Creating Piping System & Settings
- Adding Sprinklers

## – Day 19

- Manual Piping Network
- Adding & Modifying Fittings
- Adding Valves as per Equipment
- Inspection the Piping System
- Co-ordination

# 7 REVIT MODELING

## – Day 20

- 3D modelling in REVIT
- Modelling commands
- Void forms

## – Day 21

- Creating Families

## – Day 22

- Modifying families

# 8 REVIT PRESENTATION

## – Day 23

- Mange Menu
- View menu
- Annotations and dimensions
- Tag and Texts

## – Day 24

- Modify Menu
- Layout setting in Revit
- Legend and symbol
- Creating Schedules
- Plotting and Revit
- Rendering Setting

# 9 REVIT ADVANCE

## – Day 25

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

# 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 softcraayons .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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