Revit MEP

A comprehensive BIM course focusing on Revit MEP for Mechanical (HVAC), Electrical, Plumbing, and Firefighting services design, 3D modeling, spatial coordination, and clash detection.

Duration	Training Mode	Certification	Practical Labs
3 Months	**Offline Classroom Training**	**Industry Certificate**	**100% Hands-on**

Tools & Tech: **Autodesk Revit MEP • Navisworks Manage • AutoCAD • BIM 360**

Detailed Course Curriculum & Modules

MODULE 01 | Introduction to BIM & Revit MEP Interface

- Building Information Modeling (BIM) Concepts
- Revit User Interface & Navigation
- Linking Architectural & Structural Models
- Setting Levels, Grids & Views

MODULE 02 | Mechanical HVAC Modeling

- Air Systems: Ducts, Fittings & Air Terminals
- Mechanical Equipment Placement (AHU, Chillers)
- Hydronic Piping Systems for Chilled Water
- Duct Sizing & Pressure Drop Calculations in Revit

MODULE 03 | Electrical Systems Design

- Lighting Fixture Placement & Circuiting
- Power Outlets, Switches & Distribution Boards
- Cable Trays & Conduit Routing
- Electrical Panel Schedules & Load Summary

MODULE 04 | Plumbing & Fire Protection Systems

- Domestic Water Supply Piping
- Drainage, Waste & Vent (DWV) Piping
- Sprinkler Heads & Fire Protection Layouts
- Plumbing Fixtures & Pipe Slope Calculations

MODULE 05 | Clash Coordination & Documentation

- Interference Check & Clash Detection in Revit
- Exporting NWC for Navisworks Coordination
- Generating MEP Schedules & Quantity Takeoffs
- Sheet Creation, Viewports & Title Blocks

MODULE 06 | Practical Revit MEP Projects

- High-Rise Commercial Building MEP Model
- Multi-Specialty Hospital MEP Coordination
- Complete BIM MEP Sheet Package

Practical Projects & Industry Capstones

- **Industry Capstone Project**
- **Real World Case Studies**

■ Industry Certification
Authorized certificate verified globally via online portal.

■ 100% Placement Support
Resume review, mock interviews, and recruiter connections.

■ Lab Access & Mentorship
Dedicated workstation lab hours with expert guidance.