



**START YOUR  
REVIT MEP  
CAREER TODAY!!**

**CREDO SYSTEMZ**

**Revit MEP  
Program**

# REVIT MEP COURSE SYLLABUS

**Duration : 40 hrs**

## ✦ **Module 1: Introduction to Revit MEP**

- Overview of BIM (Building Information Modeling)
- Role of Revit MEP in BIM workflows
- Revit user interface & navigation
- Understanding Revit project files (.rvt) and templates
- Project setup: units, levels, grids, and coordinates

## ✦ **Module 2: Starting an MEP Project**

- Linking architectural and structural models
- Understanding Revit worksharing and collaboration
- Project templates for MEP disciplines
- Visibility/graphics settings for MEP elements
- Copy/monitoring elements from linked models

## ✦ **Module 3: HVAC (Mechanical Systems)**

- Creating spaces and zones
- Heating and cooling load calculations
- Duct system fundamentals and layout

- Placing air terminals, diffusers, and equipment
- Duct routing and fittings
- System inspector and flow analysis
- Creating mechanical schedules

## ✦ **Module 4: Electrical Systems**

- Understanding electrical settings and components
- Creating electrical circuits
- Lighting systems: fixtures and switches
- Power systems: panels, outlets, and equipment
- Cable trays and conduits
- Electrical load calculations and panel schedules
- Annotation and tagging for electrical elements

## ✦ **Module 5: Plumbing & Piping Systems**

- Plumbing fixture placement
- Cold and hot water systems
- Sanitary and vent systems
- Fire protection piping (sprinkler layout basics)
- Pipe routing and fittings
- System checks and flow analysis
- Creating plumbing schedules

## ✦ **Module 6: Coordination & Interference Checking**

- Using the Coordination Review tool
- Clash detection and interference checking
- Coordination between MEP and other disciplines
- Working with linked models

## ✦ **Module 7: Families and Components**

- Introduction to Revit families (loadable and system families)
- Creating and modifying MEP families
- Managing family parameters and connectors
- Importing manufacturer-specific content

## ✦ **Module 8: Documentation & Detailing**

- Creating and managing MEP views (plan, section, 3D)
- Annotating drawings (tags, dimensions, text notes)
- Legends, schedules, and keynotes
- Sheet creation and layout
- Printing and exporting to PDF/DWG

## ✦ **Module 9: Visualization & Presentation**

- Creating realistic 3D views
- Material assignments and lighting
- Rendering basics
- Walkthroughs and presentation outputs

## ✦ **Module 10: Project Management & Collaboration**

- Employee Management System
- E-Commerce Product Catalog & Ordering System
- Bug Tracker with AI-assisted Testing
- Real-Time Chat Application
- API Integration and Automation

# CHENNAI

## VELACHERY

New # 30, Old # 16A, Third Main Road, Rajalakshmi Nagar, Velachery, (Opp. to Murugan Kalyana Mandapam), Chennai – 600 042.

 +91 98844 12301

## OMR

Plot No.8, Vinayaga Avenue, Rajiv Gandhi Salai, (OMR), Okkiampettai, (Behind Okkiyampet Bus Stop) Chennai – 600 097.

 +91 96001 12302

# OVERSEAS

## USA

Houchin Drive, Franklin, TN -37064. Tennessee

## UAE

Sima Electronic Building, LLH Opposite, Electra Street – Abu Dhabi