

# Revit for Mechanical Design Professional Certification



## Why Revit for Mechanical Certifications ?

REVIT MEP for mechanical is a big part of mechanical engineering. It deals all best part of mechanical design, 3D design, 2D design, Mechanical Equipment details and many basic information which cover a big deal of mechanical. One who does after B tech form any branch could learn do this REVIT MEP course for 4–6 months and enter in the field of MEP.

Basically MEP stands for Mechanical ,Electrical and Plumbing , This is will benefit to branch under this category. But what i had a experience any one can do this and work on this MEP field. Sometimes it very tough job but when get experience you will automatically feel good and interest on this jobs.

## Training Solutions:

√ Offline Classroom Instructor-Led Training in our labs or onsite Locations.

√ Virtual Instructor-Led Training Via Virtual Video Conferencing Tools.

## Why Learners Prefer CLS as their Training Services provider ?

■ Premium Training Services Accredited from Global Technology Vendors.

■ Best Rated Experts & Certified Trainers in Egypt.

■ Official Training Hours, Practice Labs, Hands-on Learning.

■ CLS Training Classrooms are designed with High Edge PCs and Training Facilities.

■ Return on Training Investment is Guaranteed to boost performance.

## • Revit for Mechanical Design Course Outline :

### Getting Started

- Course overview
- Get the software

### See where you stand

### Modeling for mechanical design

- Add mechanical equipment
- Add plumbing fixtures
- Add air terminals
- Add fire protection sprinklers
- Configure mechanical settings
- Create duct systems
- Create piping systems
- Define analytical pipe connections
- Track systems with the System Browser
- Modify pipe and duct types
- Add duct components

### Add pipe components Documentation for mechanical design

- Work with view templates and visibility/graphic overrides
- Use miscellaneous view features
- Produce schedules
- Work with sheets, titleblocks, and revisions
- Work with view types
- Apply phasing
- Use tags
- Use keynotes, note blocks, and numbered lists

### Families for mechanical design

- Define MEP connectors
- Understand family types
- Understand family creation workflow
- Determine family category and part type
- Differentiate between family hosting types
- Configure element visibility settings
- Create annotation families and tags
- Define symbols and annotations in a family
- Use parameter types
- Distinguish between parameter disciplines and data types
- Understand syntax for equations and formulas

### Analysis for mechanical design

- Adjust energy settings
- Create system zones
- Create analytical systems
- Create energy model
- Assign material thermal properties
- Review calculated values in model

### Collaboration for mechanical design

- Import and link files
- Manage linked files
- Understand worksharing concepts
- Export to different formats
- Check for interferences
- Use copy and monitor
- Use design options
- Transfer project standards

## • Overview:

- Practice skills covered in the certification exam, including modeling, documentation, analysis, and collaboration. Review advanced modeling topics and learn to work with mechanical equipment, plumbing fixtures, and duct and piping systems. Learn about family categories, phases, systems analyses, schedules, worksharing, and more.
- Follow along with lessons, datasets, and exercises to practice and review the exam topics on your own. You can also test your knowledge by taking a practice test to prepare for the certification exam. It's all about practice and preparation.

## • Training:

- Work with mechanical equipment, fixtures, mechanical systems, and connecting geometry.
- Create and manage views and annotations, work with families, develop schedules, and perform analyses.
- Use workflows and processes, such as worksharing, exporting, printing, and project management.
- Review the topics covered on the Autodesk Certified Professional in Revit for Mechanical Design exam.

## • Audience Profile :

### Who should enroll

- Mechanical and Electrical engineers (MEP).
- Architects, Urban planners, and landscape professionals.
- Civil engineers, construction professionals, and Site engineers.

## • Prerequisites:

- Familiarity with Cad Design.