

AUTODESK

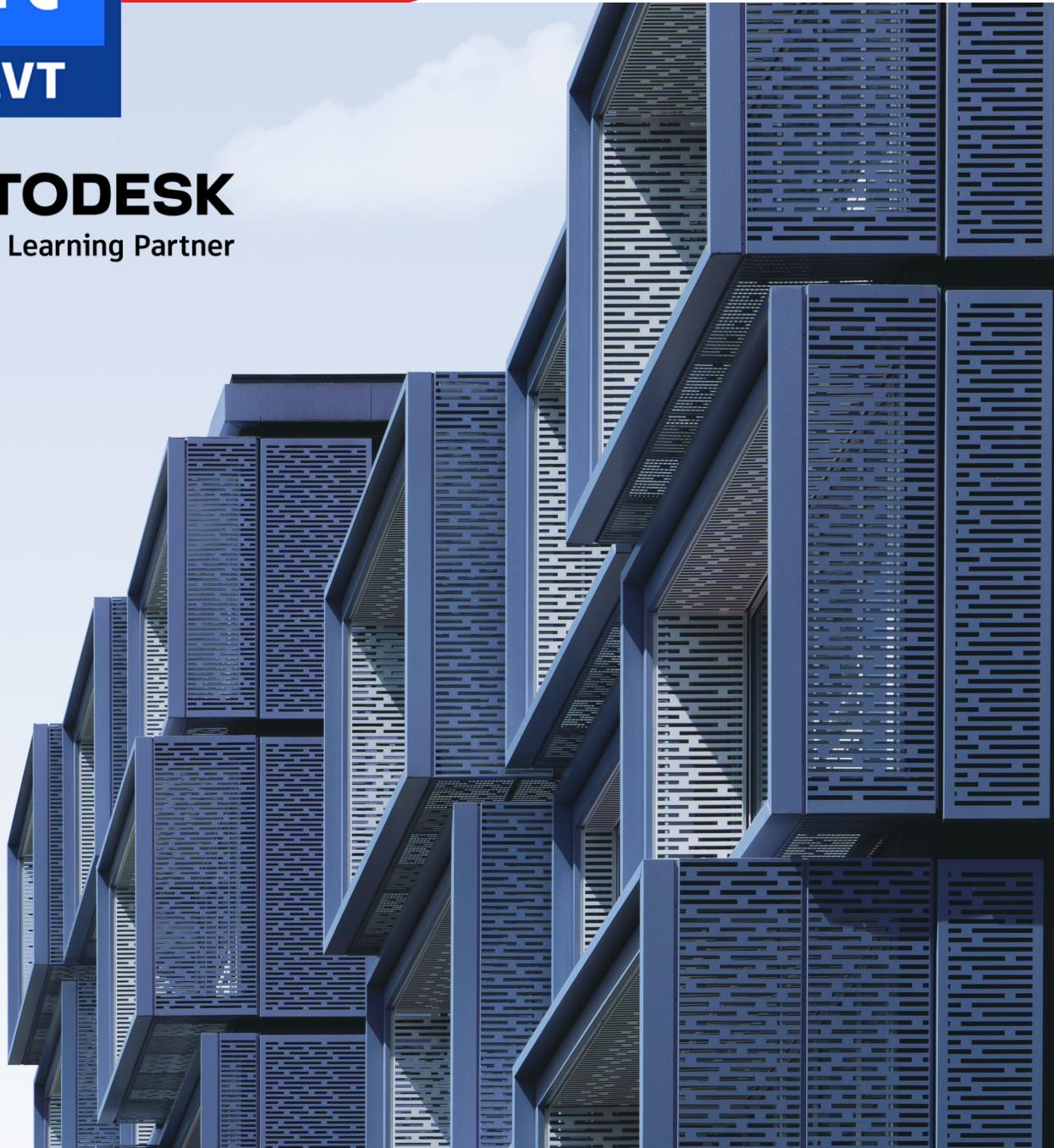
BIM REVIT ARCHITECTURE



COURSE

2026

AUTODESK
Learning Partner



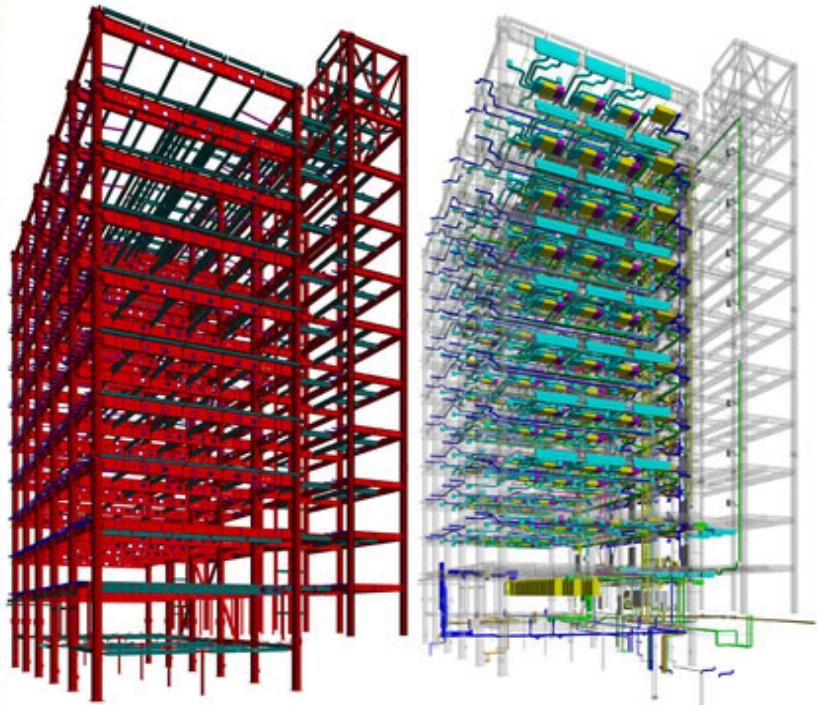
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AUTODESK
Authorized Training Center

www.elegant-training.ae

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What is BIM & Revit Software ?



Building Information Modeling (BIM) is a digital process that enables the planning, design, construction, and management of buildings and infrastructure through intelligent 3D models. In Dubai, BIM has become a key requirement in the architecture, engineering, and construction (AEC) industry due to the city's rapid development, high standards, and government-driven smart city initiatives.

Autodesk Revit is a powerful Building Information Modeling (BIM) software used by Architects, Engineers, and Construction professionals to design, model, and document buildings and infrastructure. Revit allows users to create intelligent 3D models that include both geometry and non-geometric design data. These models are used throughout the project lifecycle—from concept to construction and beyond.

Common Uses in Revit:

- Architectural Design
- Structural Engineering Design
- MEP (Mechanical, Electrical, Plumbing) Modeling
- Construction Documentation
- Quantity Takeoff and Cost Estimation
- Clash Detection (in combination with Navisworks)



Who can Attend this Course & Requirements



This Course is ideal for:

- Architects
- CAD Engineer's
- Designers
- CAD Detailer
- Process & Piping Engineers (P&ID)
- University Students
- Interior Designer's

Pre-requisites

Basic understanding of AutoCAD is enough to learn this course





About the Trainer

Roobil Khan

Autodesk Certified Instructor

Instructor ID : 86367



Mr. Roobil Khan is an experienced BIM & CAD Professional with 10 years of expertise in Architectural, Mechanical, & Structural design. Specialized in Autodesk Software & 3D Modelling he has trained professionals, University Students & Corporate Teams equipping them with industry relevant skills.

With a deep understanding of Revit, Naviswork, 3Dsmax, Lumion, Enscape, D5 Render, Rhino Essentials, Plant 3D & more he ensures that learners gain hands on experience, project based learning & real world insights. As an Autodesk Certified Instructor he is committed to deliver high quality training that bridges the gap between theory & Practical





Module 1:

- **Building Components Modelling**
- Introduction to BIM & User interface of Revit software
- What's new in Revit 2026
- Understanding Templates & What's Family in Revit
- Starting a project with units, Levels & Grids
- Understanding site plan, Base point & survey point
- Wall, Wall structure, Wall types & Detailing floor plan with tags
- Studs in wall, Sweeps, Reveal, 3D wall detailing & making Retaining walls & Precast
- Using Floors, Structure in Floor, Slopes in Floor, Sectional detail of Floors
- Placing Doors, windows, Components
- Learning Curtain wall system, Mullions & CurtainGrids
- Learning Family for Mullion profiles
- Placing Curtain wall Doors & Family creation of Doors & windows
- Placing Ceilings & Tile Grids
- Learning Roof & Roof components- Soffit, Fascia & Gutter
- Types of Roof
- Creating Railings- Top rail, Balluster, Balluster post & Handrail family
- Ramps
- Stairs, Custom Stairs, Multi level Stairs

Module 2:

- **Parametric Family Creation**
- Understanding Family templates
- Understanding Extrude, Loft, Revolve & Sweep



- Family creation for Facade panels, Louvers, Cladding in wall
- Pergola Family creation
- Ceiling Partition Family
- Understanding System families, Types & Instances
- Using Formulas in Family creation
- Lookup function in Family creation
- Creating Rotational Parametric in Families
- Nested Families
- Shared Parameter
- Material parameter
- Light Family Creation
- Annotation family- Tags, Elevation Tags
- Using Plugins for Custom Models

Module 3:

- **Schedule & Quantity Takeoff**
- Door Schedule
- Window Schedule
- Material Takeoff - Walls, Floors..
- Rebar- Bending Bar Schedule (BBS)
- Room, Space, Area Schedule
- Keynote
- Symbols, Legends
- Equipment & Furniture Quantity



Module 4:

- **Coordination**
- Introduction to Coordination in Revit
- Linking Other Revit services
- Linking CAD
- Clash detection in Revit
- Understanding Element ID
- Understanding .NWC, .NWD Files
- Understanding Central Files
- Creating worksets
- Understanding Autodesk Construction Cloud
- Exporting files to Naviswork for Design Review, Clash detection & 4D simulation
- Understanding Dubai BIM Standards & IFC Parameters
- Exporting to IFC Formats

Module 5:

- **Toposolid & Conceptual Mass**
- Creating Mass models for Facade, Louvers
- Creating concept design for Pavilions
- Creating Green Roof concept
- Creating Toposolid
- Understanding Toposurface (Revit 2023) & Toposolid
- Create Toposolid from CSV & CAD imports
- Geolocating Revit Project



Module 6:

- **Documentation & Shop Drawings**
- Creating Title block family
- Detailing Plan views, sections & elevations
- Understanding view scale
- Importing views in sheet
- Creating Details views
- Creating Drafting views
- Documentation as per BEP (BIM Execution Plan)
- Exporting to Pdf
- Batch Plot

Module 6:

- **Visualization**
- Creating camera views
- Creating Walkthroughs
- Exporting to Lumion/Enscape/D5 Renderer
- Creating realistic Renders & walkthroughs



Our other Designing Courses relevant for you



Autodesk Softwares Training

- BIM Revit Architecture
- BIM Revit Structure
- BIM Revit MEP
- Inventor Professional
- AutoCAD Plant 3D
- Naviswork Manage
- 3DSMAX



Mechanical Designing

- Solidworks
- CATIA
- SolidEdge
- NX CAD

Architectural Visualization

- Lumion
- Enscape
- D5 Render
- Vray



Project Management

- Primavera P6
- MS Project

3D Modelling

- Blender
- Cinema 4D



Why Choose Elegant Training Centre?



At **Elegant Training Center**, you'll be trained by **Autodesk Certified Instructors** and industry experienced professionals who bring real-world insights directly into the classroom.

- **Get Recognized Certifications**

Upon successful completion, you'll receive:

- ▶ Autodesk Course Completion Certificate
- ▶ KHDA-Approved Certificate (Dubai Govt.)
- ▶ Elegant Training Center Certificate

- **Hands-On, Job-Ready Training**

We focus on practical learning. You'll work on real-world mechanical design projects using Autodesk Inventor, ensuring you're ready for the demands of today's industry.

- **Flexible Learning Options**

Whether you prefer classroom or online training, weekday or weekend sessions – we offer flexible schedules to fit your lifestyle and work commitments.

- **Boost Your Career in UAE & Beyond**

Our training is aligned with local industry standards and global software skills, making you job-ready for opportunities across Dubai, the UAE, and internationally.

- **Personalized Attention**

With small batch sizes and supportive instructors, you'll receive individual attention to help you confidently master the software and apply it effectively.

About Elegant Training Centre



At **ELEGANT Training**, we provide educational training to professionals and management personnel improving their career, skills, expertise, competence and business performance.

We specialize in affordable and effective face-to-face training in a variety of courses to meet the needs of today's business. We believe in relevant and adequate training by expert professionals for individuals as well as corporate clients.



Location:

620, AB Center, Al Barsha 1, Beside IBIS Hotel, Sheikh Zayed Road,
Near Insurance Market Metro Station, Dubai.

Contact Number : **+971 04 399 7800, +971 54 749 5664**

