

AUTODESK **AUTOCAD 2D & 3D (2025)**

A **CAD** **COURSE**



Approved & Permitted by KHDA

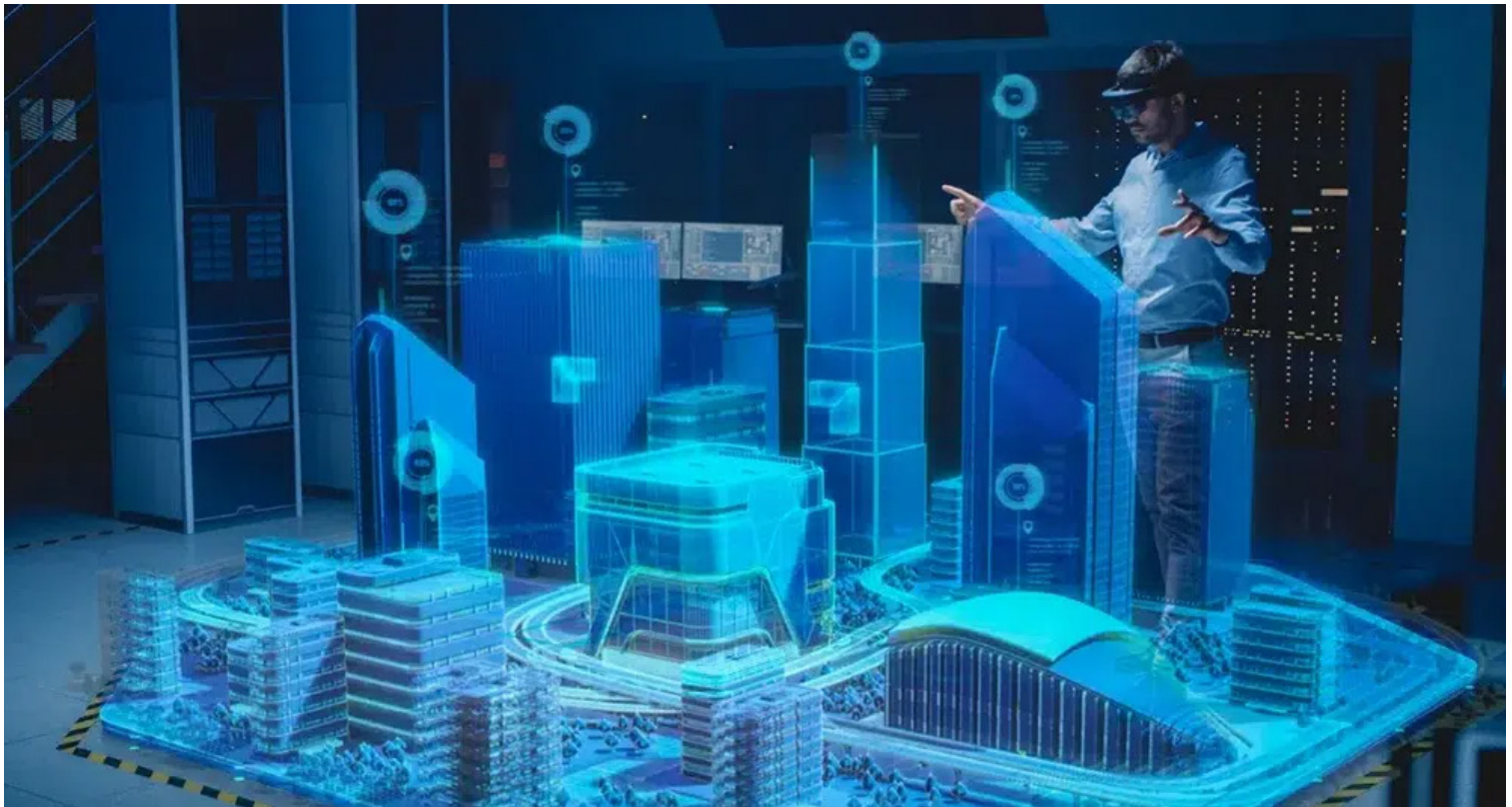


Authorized Training Center

www.elegant-training.ae

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What is AutoCAD ?



AutoCAD is a computer-aided design (CAD) software developed by Autodesk that is widely used by Architects, Engineers, Drafters, and Designers for creating precise 2D drawings and 3D models. It enables professionals to draft, annotate, and design building layouts, mechanical components, electrical schematics, civil structures, and more. AutoCAD supports industry-specific toolsets for fields like mechanical, electrical, civil, and architectural engineering, making it a critical tool for design documentation and technical drawing.



How can the AutoCAD course benefit you in the Dubai job market?



- **Widely Used Across Company Types:**

AutoCAD skills are essential in construction companies, engineering consultancies, Architectural firms, interior design studios, and fit-out contractors operating in Dubai.

- **Aligned with Dubai Regulations:**

Training includes drawing practices that follow Dubai Building code and UAE construction standards, making your skills job-ready.

- **Core Tool for Drafting & Documentation:**

Create accurate 2D drawings and 3D models for site layouts, Floor plans, Structural details, and MEP coordination.

- **Valuable for Site and Office Roles:**

Whether you're working in Site execution, Estimation, or design, AutoCAD is a daily tool for producing and reviewing technical drawings.

- **Required in Infrastructure and Real Estate Projects:**

Frequently used in projects like Residential towers, Villas, Malls, Metro lines, and Commercial buildings.

- **Helps in Approvals and Client Submissions:**

Drafting skills are crucial for preparing Shop drawings, As-built drawings, and Submission packages for approvals.

What types of Engineering can AutoCAD be used for?



Mechanical Engineering

- Designing machine parts, tools, and mechanical assemblies
- Creating detailed 2D mechanical drawings and 3D models
- Using AutoCAD Mechanical for standards-based design

Civil Engineering

- Drafting site plans, road layouts, and infrastructure
- Creating topographical maps and structural details
- Integration with Civil 3D for terrain modeling and civil workflows

Structural Engineering

- Designing structural components like beams, columns, and foundations
- Creating detailed construction drawings and reinforcement plans
- Ensuring alignment with building codes and standards

Electrical Engineering

- Designing wiring layouts, circuit diagrams, and panel layouts
- Creating electrical schematics using AutoCAD Electrical
- Standardizing symbols and documentation for electrical systems

HVAC & MEP Engineering

- Designing HVAC ducts, plumbing systems, and fire fighting layouts
- Preparing MEP coordination drawings
- Integration with Revit MEP for BIM workflows

Architectural & Interior Fit-out's

- Drafting building layouts, floor plans, elevations, and sections
- Detailing interior and exterior design elements
- Used as a base before transferring to Revit for 3D BIM modeling

Who can Attend this Course & Requirements



This Course is ideal for:

- CAD Engineer's
- Mechanical engineers
- Product engineers
- Designers
- Drafters
- Process & Piping engineers (P&ID)
- University Students
- Fabricator's

Pre-requisites

Basic understanding of Reading plan is enough to learn this





1. Can I enroll in an AutoCAD course without any prior experience at Elegant Training Center?

Yes, absolutely! Whether you're a beginner, a student, or a working professional from Architecture, Interior Design, Structural, MEP, or Fit-out backgrounds, AutoCAD is an essential skill that can boost your career in Dubai's growing construction and design industry.

2. Do I need any technical background to learn AutoCAD?

No prior technical background is required. However, basic computer knowledge and an interest in design or engineering fields will be helpful. We start from the fundamentals and guide you step-by-step.

3. What is the difference between AutoCAD 2D and 3D, and why are both important in Dubai's job market?

2D is used for technical drawings and plans (like floor plans, elevations), while 3D is for modeling and visualizing structures. Dubai's architecture, interior, and fit-out sectors often require both 2D drafting and 3D modeling for project approvals and client presentations.

4. Which industries in Dubai commonly use AutoCAD?

AutoCAD is widely used in Architecture, Interior Design, Structural Engineering, MEP (Mechanical, Electrical & Plumbing), Fit-out companies, and Fabrication and Joinery workshops.

5. What's the next step after learning AutoCAD?

The next step is learning Revit, a powerful BIM (Building Information Modeling) tool. Revit is one of the most in-demand skills in Dubai, especially for drawing submissions to consultants and authorities, and is essential for working on integrated architecture, structure, and MEP models.

6. Will I learn drawing standards and layers used in Dubai projects?

Yes. Our training aligns with Dubai Municipality standards, Dubai Building Codes, and local layer naming conventions, so you're job-ready for UAE-based projects.



7. Can I use AutoCAD for Interior Design and Fit-out detailing?

Absolutely. Interior and Fit-out companies use AutoCAD for detailed joinery, furniture layouts, ceiling and lighting designs, and material schedules. We include such industry-specific examples in our training.

8. How is AutoCAD used in Structural and MEP drawings in Dubai?

Structural engineers use it for column layouts, beam plans, reinforcement details; MEP designers use it for HVAC layouts, electrical schematics, plumbing, and drainage. Our course includes relevant case studies and exercises.

9. Will I get a certificate after completing the course?

Yes. You'll receive an Elegant Training Center Course Completion Certificate, KHDA Certificate, and Autodesk Course Completion Certificate – all valuable in Dubai's job market.

10. What kind of job roles can I apply for after learning AutoCAD?

You can apply for roles like CAD Draftsman, AutoCAD Designer, Junior Architect, Interior CAD Drafter, Structural Draftsman, MEP Draftsman, or Fit-out Detailer in construction, consultancy, and contracting companies across Dubai.



Roobil Khan

Autodesk Certified Instructor
Instructor ID : 86367



Mr. Roobil Khan is an experienced CAD & BIM Professional with 10 years of expertise in Mechanical, Architectural & 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 Solidworks, Inventor, CATIA, Revit, AutoCAD, Naviswork, 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 application.





Module 1:

- **Getting Started with AutoCAD 2D**
- Basic Drawing and Editing Commands-Line,Rectangle,Fillet,Chamfer, Offset, Trim,Extend..
- Creating Standard Tags for Doors,Windows, Archs
- Learn other tools in Draw, Modify & Insert & Layers
- Using X-ref, Linking other discipline drawings
- Creating Texts, Dimensions & Styles
- Advanced Modify Tools for Shop drawings
- Analyzing and Object Properties
- Making isometric drafting
- Advanced Editing Commands
- Inserting Blocks, Attributes ,Tool pallets & Data extraction for Quantity
- Annotations & detailing a drawing for submission
- Reviewing AutoCAD 2D tools
- 2D Project (depends on candidates requirement on discipline)

Module 2:

- **Getting started with AutoCAD 3D**
- Understanding views , Axis (x,y,z) ,UCS & Dynamic UCS
- Understanding Visual Styles
- Understanding Mesh tools- 3D Face, Rule mesh, SurfTab
- Solid Extrude
- Solid Loft
- Sweep
- Revolve



- Making Components- Furnitures
- Making Isometric Architectural Floor plan
- Making Mechanical components for Mechanical relates candidates
- Materials
- Lights

Module 3:

- **Getting started with Sheet setup & Title Blocks**
- Understanding Layouts
- Page set up manager
- Setting up Viewports, Scale & Layer freeze in viewports
- CTB (color dependent plot style)
- Titleblock creation
- Plot
- Batch plot
- Exporting to PDF

All the above modules are common for Architectural, Fitouts, Fabrication, MEP & Structural.

Projects will be based on candidates requirement.

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



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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:

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