AUTODESK
Authorized Training Center

AUTOCAD 2D 2025

COURSE

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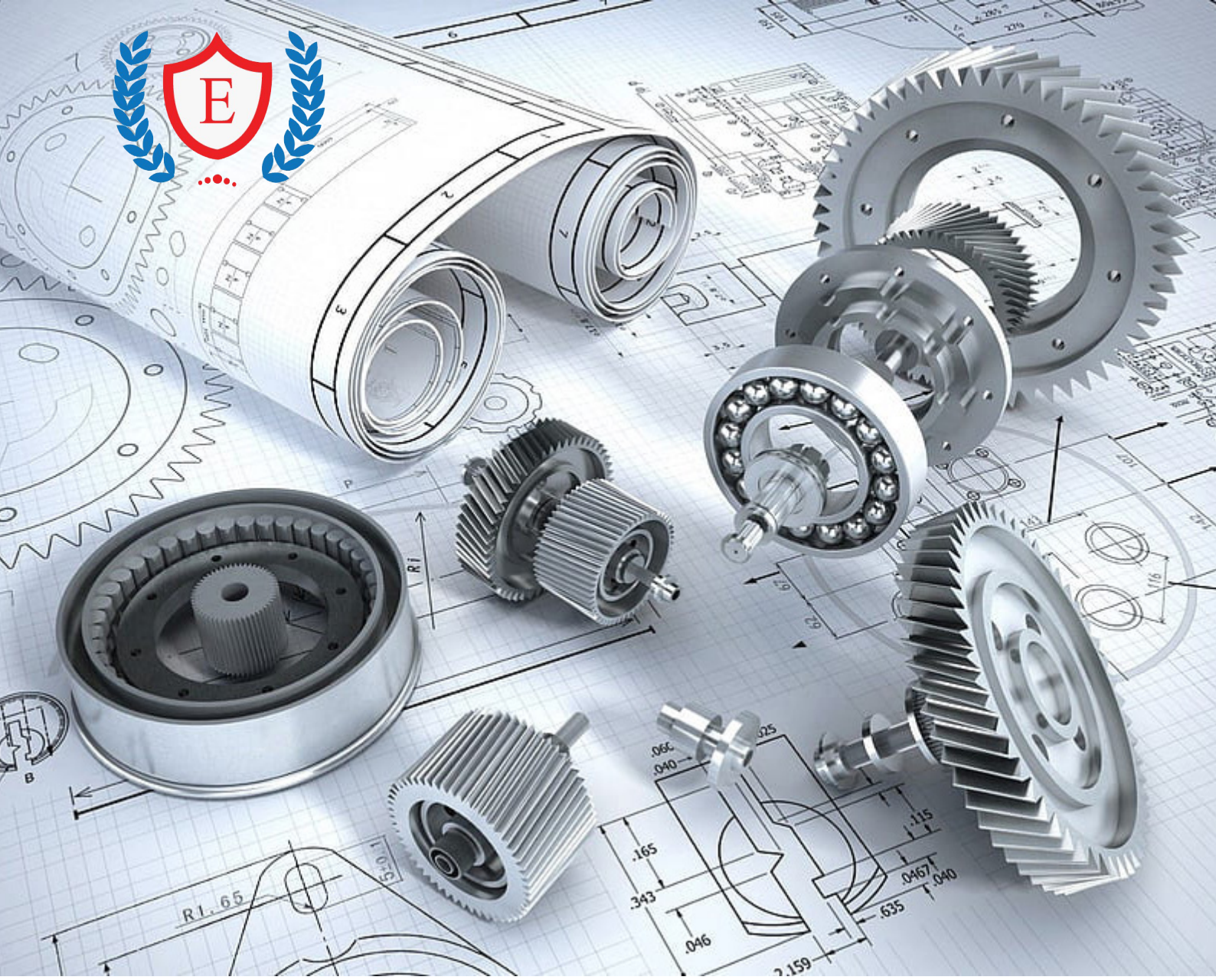


For whom is the course for?

This course is suitable for

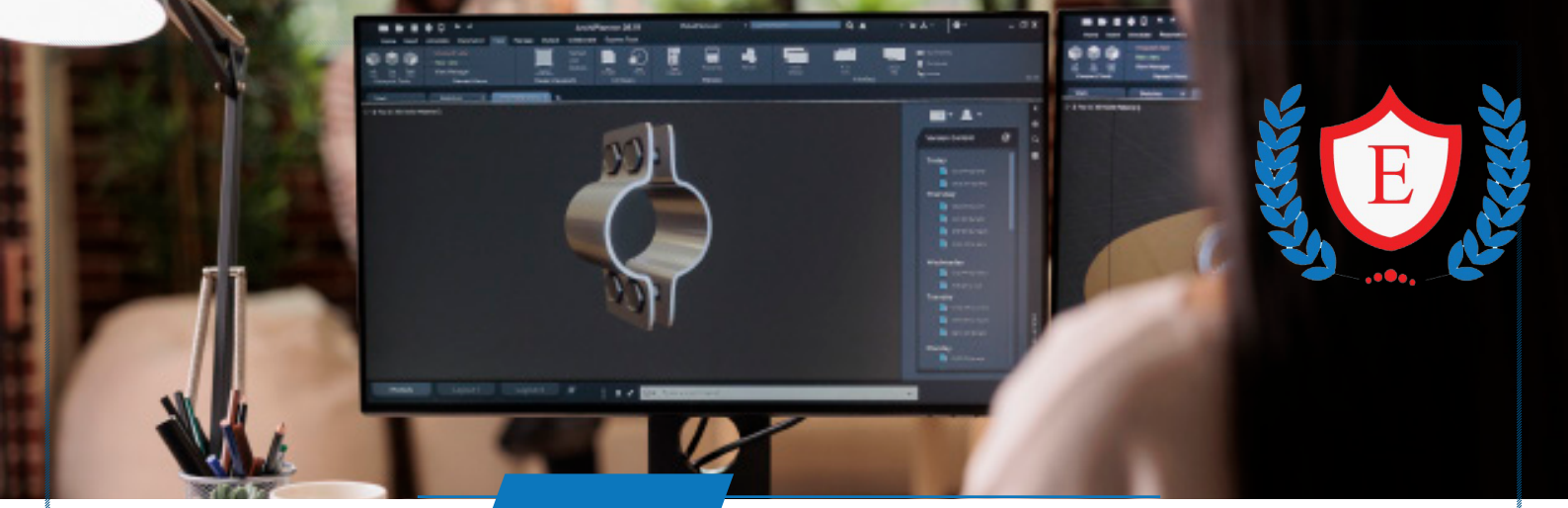
-Mechanical engineers

- Students who have the passion of Mechanical Engineering Design.

- Professionals who wants to increase their skills 3D skills.

Pre-requisites

Basic understanding of CAD is enough to learn this course.



About AUTOCAD

AutoCAD is computer-aided design (CAD) software that is used for precise 2D and 3D drafting, design, and modeling with solids, surfaces, mesh objects, documentation features, and more. It includes features to automate tasks and increase productivity such as comparing drawings, counting, adding objects, and creating tables. It also comes with seven industry-specific toolsets for electrical design, plant design, architecture layout drawings, mechanical design, 3D mapping, adding scanned images, and converting raster images. AutoCAD enables users to create, edit, and annotate drawings via desktop, web, and mobile devices.

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What you can expect ?

Understand the AutoCAD interface: navigate the AutoCAD user interface, understand the menus and tools, and customize the workspace to your preferences.

Understand the 2D & 3D tools for designing: Use of Draw menu tools & Modify menu tools
Creating Floor plans,sections & elevations: working over various projects
Learning Standards: create drawings under standard drafting (use of Dubai building code regulations in drawings)
Projects under various disciplines: working on different drawings under AEC (Architectural Engineering & Construction) Extents.

Where to look for JOB ?

- Construction companies
- Engineering consultancies
- Manufacturing companies
- Interior Design companies
- Production companies

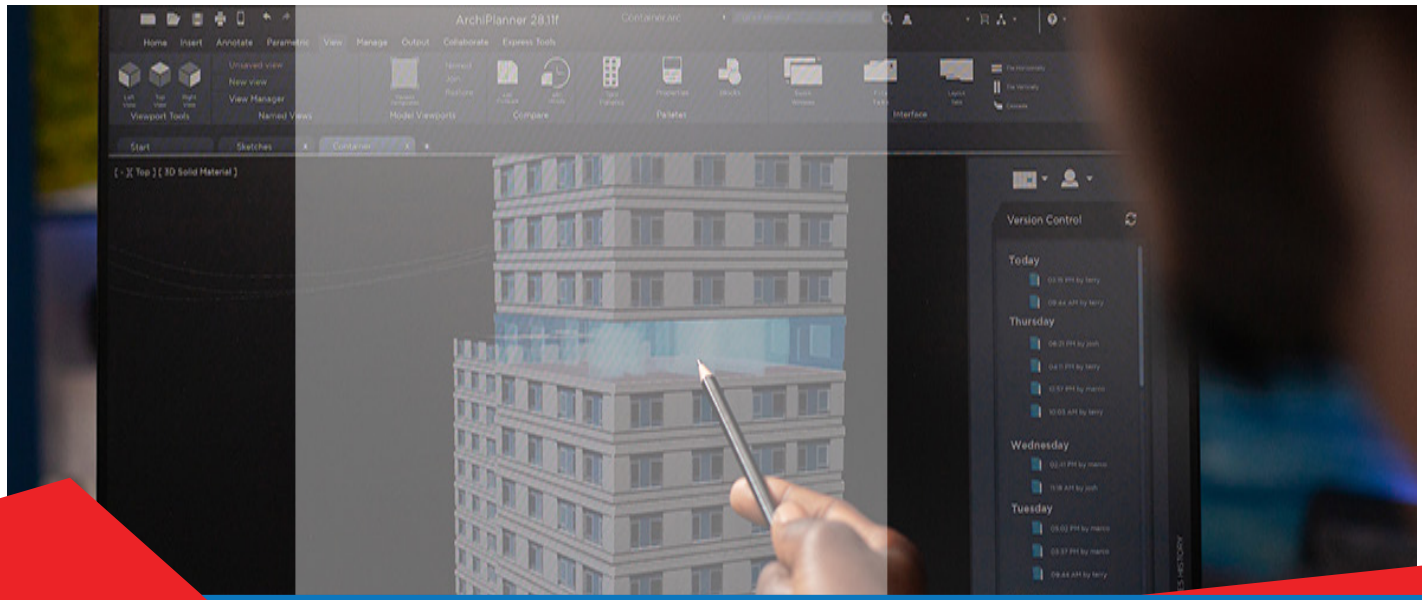
AUTOCAD

Brief Contents

- Getting Started with AutoCAD 2D
- Basic Drawing and Editing Commands
- Creating Standard Tags
- Learn tools in Draw,Modify & Insert
- Making Changes in Your Drawing
- Creating Texts,Dimensions & Styles
- Advanced Modify Tools-xref & linking
- Analyzing Model and Object Properties
- Advanced Editing Commands
- Inserting Blocks,Attributes & Tool pallets
- Setting up a Layout
- Annotations & Detailing a drawing
- Setting viewports & Titleblocks

PROJECTS AS PER REQUIREMENT

- **Architectural project-Plans,Sections & Elevations of a villa**
- **HVAC project of a Building floor plan**
- **Electrical Design of a floor plan**
- **Interior Fitout Project**
- **Fabrication Drawing Detailing**
- **Low voltage system Drawing**
- **Landscape Drawing**
- **Plumbing Detailed Drawing**
- **Firefighting Drawings**
- **Machine parts Drawings**
- **Piping Isometric Drawing**



CONTACT US

ELEGANT TRAINING

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

Phone : +971 4 399 7800

Mobile: +971 54 749 5664

Email: info@elegant-training.ae

Web: https://www.elegant-training.ae/

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