AutoCAD 2D Essnetials

Miscellaneous Engineering

AutoCAD 2D Essnetials

Course Description

AutoCAD is a commercial software application for 2D and 3D computer-aided design (CAD) and drafting â€" available since 1982 as a desktop application and since 2010 as a mobile web- and cloud-based app marketed as AutoCAD 360. AutoCAD is used across a wide range of industries, by architects, project managers, engineers, graphic designers, and other professionals. It is supported by 750 training centers worldwide as of 1994.

Course Target

By the end of this course trainees will be able to Draw & Modify all 2D shapes with accurate dimensions, Make any annotations as dimensions, text, hatches and understand the concept of layering and plotting.

Course Duration

10 Sessions x 3 Hours per Session = 30 Total Hours

Attending the Course

The course includes workshops and in-session applications for every set of points covered.
Each trainee will have a chance to apply his new skills on actual project supervised by the instructor.
The location is fully equipped with high end computers so you won't have to bring your laptop.

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AutoCAD (ESSENTIAL)

Introduction (Autodesk Programs Definitions)

Creating Basic Drawings
Creating Basic Objects Using Object Snaps
Using Polar Tracking and Polar Snap Using Object Snap Tracking
Working with Units

Drawing orders & Draw Menu
Line Objects Construction Line Objects
Rectangle Objects
Circle Objects

Drawing orders & Modify Menu
Copy Order Move Order Erase Order Offset Order
Trimming & extending Objects to Defined boundaries

Creating Additional Drawing
Objects Working with Polylines & P-Edit
Working with Multi line

Manipulating Objects & Data
Point Objects

Drawing orders & Modify Menu
Mirror & Rotate Order
Stretch & Matching Properties Order
Changing Object Properties

Altering Objects
Joining objects & Exploding

Hatching Objects Hatching Objects Editing Hatch Objects

Working with Reusable Content
Using Blocks & Donut

Drawing orders & Draw Menu
Arc & Polygon

Drawing orders & Modify Menu
Array & Scale Order Fillet & Align Order

Manipulating Objects & Data
Using Quick Select Purging Objects
Dividing and Measuring Objects Geometry Calculator

Drawing Organization & Inquiry Commands
Creating Layers Using Layers Using Line types

Annotating the Drawing Creating Multiline Text Creating Single Line Text Using Text Styles
Editing Text

Dimensioning Creating Dimensions Using Dimension Styles Editing Dimensions
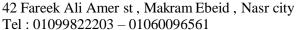
Dimensioning and Annotation Working with Text Dimensioning
Center Marks Ordinate Dimensions
Geometric Dimensioning and Tolerances

Plotting
Working with Plotter Configuration
Files Creating and Applying
Plot Style Tables
Plot with Pen Assignment