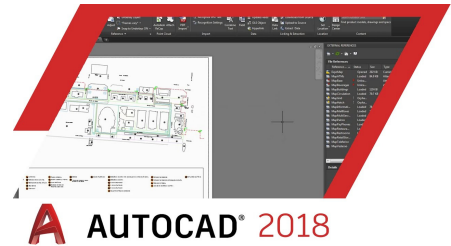


## AUTOCAD 2018

### OBJECTIVES

At the end of this course, the participant will be able to exploit drawings regardless of their design version or the version in use. They will be able to view AutoCAD plans, and will know the drawing and editing commands. They will be able to print a design to scale and manage these output scales.



### TARGET CLIENTELE

Draftsman and MEP Designer

### PREREQUISITES

Microsoft Windows

### COURSE SYLLABUS

#### 1. AutoCAD Environment

- Work area

#### 2. Launching the Software

- Menus, toolbars
- Graphic interface
- The different workspaces

#### 3. Understanding Rules and Design Methods

- Work at scale 1
  - objects
  - contact details
  - selection games
  - layers, blocks.

#### **4. Visualization Controls**

- Zoom all
- Zoom extended
- Panoramic

#### **5. Object Snaps**

- End
- Middle
- Centre
- Nodal
- Quadrant
- Intersection
- Insertion
- Perpendicular
- Tangent
- Near

#### **6. Setting up Drawing Aids**

- Grid, Resol, Polar, Ortho
- Scu Dynamic
- Dynamic input

#### **7. Layer Management**

- Show or hide certain items
- Layer filtering using properties or groups

#### **8. Quotation**

- Creating and using a coastline style

#### **9. Object Property Manager-OPM**

- Managing object properties
- Change diameter, radius of a circle, arc
- Layer change, color, line type

#### **10. Hatchings**

- Presets
- Strong
- Gradient

### **11. Handles**

- Stretch
- Rotation
- Movement
- Copy

### **12. Drawing Commands**

- The Polyline
- Line, circle, rectangle, arc, multi-line, ellipse

### **13. Change Commands**

- Copy, move, mirror
- Shift, network,
- Adjust, extend, stretch

### **14. Inserting Blocks**

- Inserting a block with the AutoCAD command
  - Using the design center
  - Using a range of tools

### **15. Information**

- Distance, area, location

### **16. Tool Palette**

- Creating, deleting a palette
- Creating tools to draw
- Creating block insertion tools
  - using the design center
  - from a drawing

### **17. Printing**

- Named path styles
- Color-dependent path styles
- Configuration of a presentation

## 18. AutoCAD novelties

- Highlighted
- Grid display
- Hatch control
- Hide and isolate objects
- Scale lists
- Wrist enhancement
- Missing font icon
- Selecting similar objects
- Web help (LT)
- Quick rating tool
  - COTRAP (LT)
- The sketch command (LT)