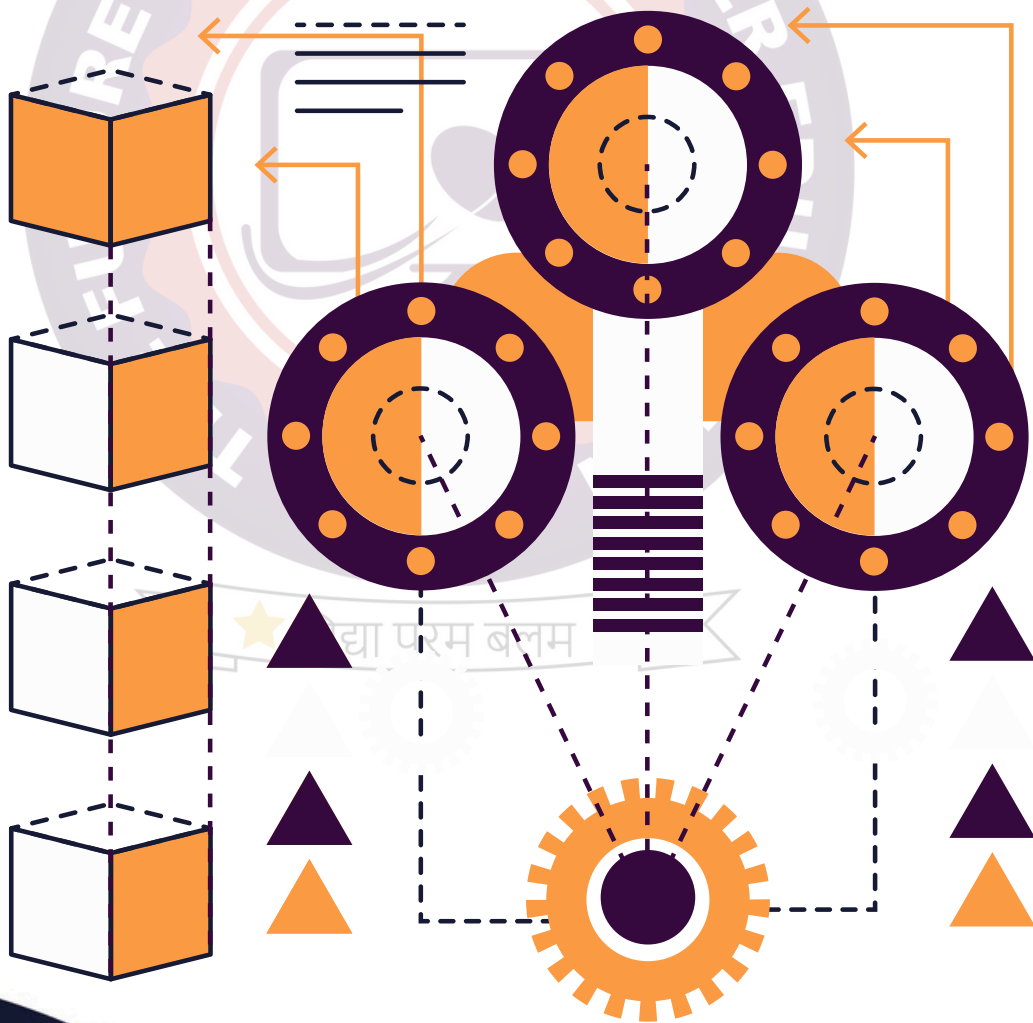


THE FUTURE TRACK

COMPUTER EDUCATION

# AutoCAD Course



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# AutoCAD

## DAY 01

- Introduction to AutoCAD
- Welcome Screen
- Exploring GUI
- How to Reset Ribbon bar in Autocad.
- How to Change Page Colour and Theme Colour
- How to Change Crosshair Size/Pick Box Size/Grip Size

## DAY 02

- Drawing settings- Units Limits
- Zoom, Dimension Style Manager(D-setting).
- Line, Ortho mode, Dynamic Input, Polar Tracking
- Drawing Practice

## DAY 03

- Pan, Regenrating Model (Regen)
- Object Selection Method,
- Introduction to Co-ordinate systems(Using line command)

## DAY 04

- Polyline, Explode, Join, Erase, Delete, Donut.
- File Management- New, Open, Save, Save as, Close, Exit

## DAY 05

- Rectangle

## DAY 06

- Circle
- Arc

## DAY 07

- Ellipse, Polygon, Move, Copy, Mirror, Rotate, Oops, Undo, Redo

# AUTOCAD

## DAY 08

- Scale, Offset, Break, Fillet, Chamfer
- Enhance editing tool- Align, Stretch, Trim, Extend

## DAY 09

- Construction line- Xline, Ray
- Advance drawing objects & their editing- Spline Fit, Spline CV

## DAY 10

- Array
- Rectangular array, Polar array & Path array

## DAY 11

- Hatching - Hatch and gradient, hatchedit & wipeout.
- Boundary & Region

## DAY 12

- Text- Single line text, Text Style, Multiline Text & Edit text.
- Assign Object Properties- Color, Line type, Line weight Match Properties & Properties Plate

## DAY 13

- Dimension- Smart Dimension, Linear, Aligned, Angular, Arc Length, Radius diameter, Ordinate, Jogged, Continue, Baseline & Center mark.
- Advance Drawing setting- D-setting
- Utilities-Id, dist, list, Measure geometry, Calculator

## DAY 14

- Layer management

## DAY 15

- Symbol & BOM Creation- Block, Wblock, insert, Design Centre, Tool Palette, Group & Ungroup

# AUTOCAD

## DAY 16

- Annotation Tools- Table, Tablestyle, Tabledit
- Mleader, Multi leader style, Add leader, Align Leaderlines, Collect Leader

## DAY 17

- Point, Center mark, Point Style, Multiple Point, Divide, Measure Multiline, Multiline Style, Multiline edit,

## DAY 18

- Toggle Button- Grid, Snap mode, Ortho mode, Polar Tracking etc.

## DAY 19

- Isometric View Drawings
- Project-Isometric View

## DAY 20

- Attribute
- Project- Create a customized Title Block using Attributes and save it as a Template Action Recorder,

## DAY 21

- Copy, Copybase, Copylink, Pasteclip, Pastespecial, Pasteblock, Pasteoriginal

## DAY 22

- External references- Xref, Xbind, Refedit
- Etransmit, Publish, Publish to Web.

## DAY 23

- Introduction to plotting, Layout, Viewports, Mview, Page setup, Plot Style, Plot

# AUTOCAD

## 2D PROJECT SUBMISSION

### DAY 24

- Need of 3rd dimension
- Getting to know the 3D Models
- Using Object Snap in 3D
- Construction of Wire frame model

### DAY 25

- Co-ordinate system in 3D

### DAY 26

- Solid Modeling from 2D Geometry
- Extrude, Presspull, Sweep, Loft, Revolve, Helix
- Subtract, Intersection, Region

### DAY 27

- User Coordinate system
- Plan
- View cube
- Using 3D Gizmos
- 3D Orbit, 3D Array, 3D Mirror, 3D Rotate, 3D Move, Align, Slice
- Fillet, Chamfer, Fillet Edge, Chamfer Edge

### DAY 28

- Convert Mesh
- Mesh Modeling
- Creating Meshes, Model
- Section Plane (Sectionplane)

### DAY 29

- Rendering and Imaging
- Using 3D Images Types
- About Rendering a View or Region within a Viewport Render Window

# AUTOCAD

## DAY 30

- Using lights in Rendering
- Point light, Spot light, Distant light, Light list, Geographic location
- Sun Properties, Materials, Materials Editor, Creating and Modifying Material
- Applying Materials to Object and faces, Material

## DAY 31

- Render Environment
- About Background and Shadow
- Attaching and Scaling Raster Images
- Image, Image Attach, Image Adjust, Image Clip, Imageframe, Imagequality Draworder, Import/Export

