

2022-23

CERTIFICATE IN AUTO - CAD



GURUKUL
EDUCATIONAL AND
RESEARCH INSTITUTE

Subject and Syllabus

CERTIFICATE IN AUTO - CAD

DURATION:- 3 MONTHS

612 GETTING STARTED WITH AUTOCAD

- Opening and Creating Drawings
- Exploring the AutoCAD interface
- Zooming and Panning

613 BASIC DRAWING & EDITING COMMANDS

- Using the Mouse, Keyboard, and Enter Key to work quickly and efficiently in AutoCAD
- Lines
- Circles
- Rectangles

614 PROJECTS - CREATING A SIMPLE DRAWING

- Creating Simple Drawings
- Using Object Snap Tracking to extrapolate a projected top view
- Using Modify tools to arrange an office layout

615 DRAWING PRECISION IN AUTOCAD

- Polar and Ortho Tracking
- Entering Coordinates and Angles
- Object Snaps and Tracking

616 MAKING CHANGES IN YOUR DRAWING

- Move
- Copy
- Rotate
- Mirror
- Scale
- Using the reference option with the Scale Tool

617 DRAWING TEMPLATES

- Using Template Files (.dwt) to Make New Drawing
- Exploring what Settings and Elements are saved with Templates

618 ORGANIZING YOUR DRAWING WITH LAYERS

- Layer States
- Properties by Layer
- Layer Tools

619 ADVANCED OBJECT TYPES

- Polylines
- Arcs
- Polygons
- Ellipses

620 ANALYZING MODEL AND OBJECT PROPERTIES

- The Properties Palette
- Quick Select
- Select Similar
- Measure Geometry Tools

621 PROJECTS - DRAWING ORGANIZATION & INFORMATION

- Drill Plate
- Furniture Showroom

622 ADVANCED EDITING COMMANDS

- Trim and Extend
- Fillet and Chamfer
- Polyline Edit and Spline
- Offset and Explode
- Join



623 INSERTING BLOCKS

- The Insert Block Command
- Inserting Blocks with Tool Palettes
- Dynamic Blocs
- Migrating Blocks and other Elements between Drawings with Design Center

624 PROJECTS - CREATING MORE COMPLEX OBJECTS

- Starting a Floor Plan

625 SETTING UP A LAYOUT

- Using Layouts and Viewports
- Scaling Viewports
- Model Space vs. Paper Space in Layouts

626 PRINTING YOUR DRAWING

- Printing from Layout Tabs
- Printing from the Model Tab

627 PROJECTS - PREPARING TO PRINT

- Making Layouts for a Banquette Hall

Text

- The Multiline Text Tool
- The Single Line Text Tool
- Editing Text
- Text in Model Space vs. Paper Space
- The Multileader Tool

628 HATCHING

- The Hatch Command
- The Hatch Editor Ribbon Tab
- Saving and Applying Hatches with Tool Palettes

629 ADDING DIMENSIONS

- Using Dimensioning Tools
- Dimensioning in a Layout Tab vs. the Model Tab
- Using Dimension Styles
- Editing Dimensions

630 PROJECTS - ANNOTATING YOUR DRAWING

