KLiC AutoCAD
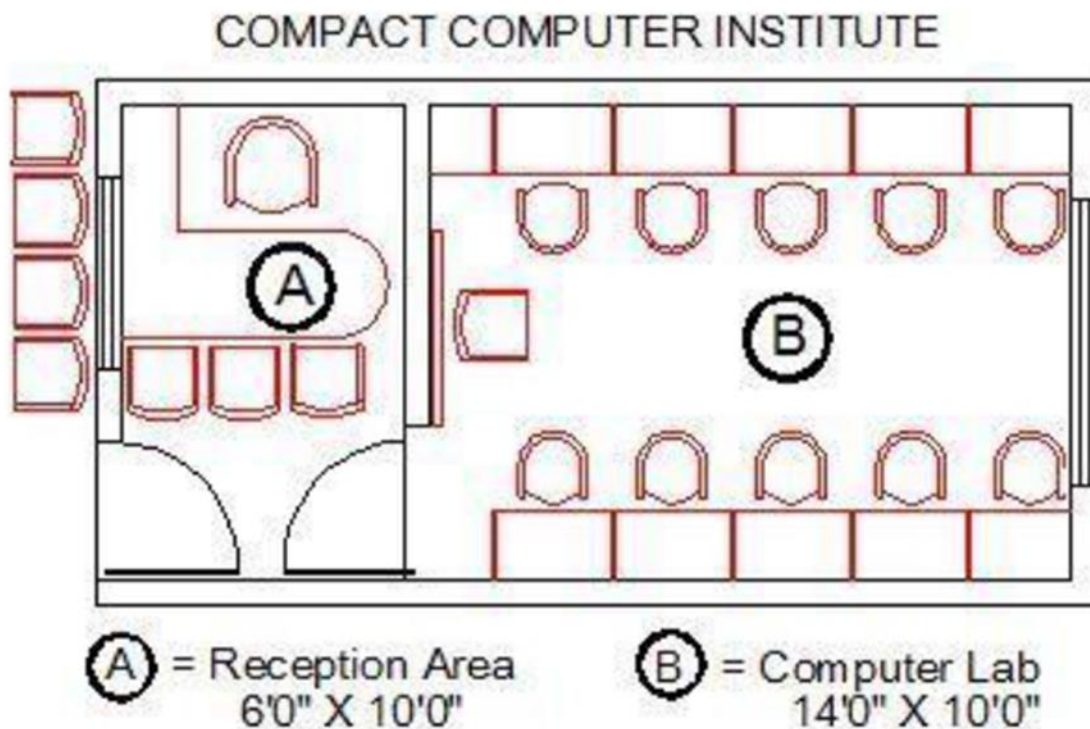## (KLiC Certificate in AutoCAD)

AutoCAD

Skills: File Formats used in AutoCAD, Working with Line object, Erasing Objects, Using the Grid, Snap, Setup Drawing Units & Limits, Using Absolute Cartesian Method, Using Relative Cartesian Method, Using Polar Coordinate Method, Using Dynamic Input to Draw Objects, Drawing an ARC, Drawing SPLINE n POLYLINE, Drawing an RECTANGLE & POLYLINES, Using POINT, Using HATCH and GRADIENTS, Running OSnap & OSnap Tracking, Using GRIPS & Object Properties, Create a Window and Copy it to Various Locations, Creating Text Style, Editing Dimensions, Create Draft Passage, Staircase & Lift

Outputs: Aluminum Glass, Computer Institute Plan, Swimming Pool, Pipe section, Chairs, Table, Floor Plan

Computer Institute Plan

Floor Plan

Detailed Syllabus

KLiC AutoCAD

Introduction to AutoCAD

- Introduction to CADMAN
- Introduction to AutoCAD
- User Interface of AutoCAD

- File Formats used in AutoCAD

Working with AutoCAD

- Introduction
- Working with Line object
- Erasing Objects
- Using the Grid
- Snap
- Setup Drawing Units & Limits

Input Data: Cartesian & Polar Method

- Introduction
- Coordinates & Coordinate System
- Using Absolute Cartesian Method
- Using Relative Cartesian Method
- Using Polar Coordinate Method
- Using Polar Tracking Method
- Using Dynamic Input to Draw Objects

Creating Objects

- Drawing an ARC
- Drawing SPLINE n POLYLINE
- Drawing CIRCLE n DONUT
- Drawing an ELLIPSE
- Drawing a RECTANGLE & POLYLINES
- Using POINT
- Using HATCH and GRADIENTS

Modifying Objects

- Modify Objects – MOVE
- Modify Objects – COPY
- Modify Objects – ROTATE
- Modify Objects – OFFSET
- Modify Objects – MIROR
- Modify Objects – SCALE n STRETCH
- Modify Objects – TRIM n EXTEND
- Modify Objects – CHAMFER
- Modify Objects – FILLET
- Modify Objects – BREAK n JOIN
- Modify Objects – ARRAY

Object Snap, Selection & Properties

- Object Snap - OSNAP
- Running OSnap & OSnap Tracking
- Different Methods of Object Selection
- Using GRIPS & Object Properties

Navigation Controls: Zoom & Pan

- Objectives
- Concept of Zoom & Pan
- Zoom All
- Zoom Extents
- Zoom Real time
- Zoom Center
- Zoom Scale
- Zoom Previous
- Zoom Window
- Zoom Object
- Zoom Dynamic
- Using Pan

Annotation: Text & Dimensioning

- Adding Text to Drawing
- Creating Text Style
- Creating Multiline Text
- Adding Dimensions
- Dimension Styles
- Editing Dimensions

Working with Layers & Blocks

- Creating & Using Layers
- Creating & Using Blocks