AUTOCAD (CIVIL)

**DURATION
45 Days**

COURSE LEARNING OBJECTIVES

ALL ELECTRICAL , MECHANICAL , CIVIL STUDENTS CAN

LEARN

AUTOCAD COURSE.

MECHANICAL AUTOCAD COURSE

CIVIL AUTOCAD COURSE

ELECTRICAL AUTOCAD COURSE

- 2D Drafting
- Drafting Setting Toolbar
- Modify Toolbar
- Annotation
- Styles Managers
- Layer
- Palettes
- Design Center
- Geometric and Dimensional Constraints
- Express Tools
- Linking and Extraction
- Plotting
- 3D Modeling
- Render
- Animation

- We divide AutoCAD Course Content into three parts according to working
- Two – Dimensional (2D)
- Advance Commands / Productivity tools
- Three – Dimensional (3D)

DAY BY DAY SCHEDULE FOR AUTOCAD STUDENTS
COURSE CONTENT- DAY 1

- Introduction of Industry structure
- Introduction of AutoCAD
- Introduction of GUI
- Commands
- use of mouse and keyboard
- File extensions
- Limits (LI)
- units (UN)
- selection
- Views

COURSE CONTENT DAY2 - 2D DRAFTING
COORDINATE SYSTEMS

- Absolute Coordinate System. Syntax
- Relative Rectangle Coordinate System.
- Polar Coordinate System.

DRAWING TOOLBAR

- Point (Po)
- Line (L)
- Construction Line(XL)
- Polyline (PL)[2D & 3D]
- Ray (RAY)
- Point style manager (DDPTYPE)

COURSE CONTENT DAY 3

- Circle (C)
- Ellipse (EL)
- Arc (A)
- Polygon (POL)
- Rectangle (REC)

COURSE CONTENT DAY 4

- Spline (SPL)
- Divide (DIV)
- Measure (MEA)
- Donut (DO)
- Wipeout (WI)
- Hatch (H)
- Gradient (GRA)
- Boundary (BO)

COURSE CONTENT DAY 5 - DRAFTING SETTING TOOLBAR

- Infer constraint (INFE)
- Snap (F9)
- Grid (F7)
- Ortho (F8)
- Polar (F10)
- Object Snap (F3)
- 3D object Snap (F4)
- Object Track (F11)
- Dynamic UCS (F6)
- Dynamic Input (F12)
- Line weight
- Quick property
- selection cycle

COURSE CONTENT DAY 6 - MODIFYING TOOLBAR

- Move (M)
- Rotate (RO)
- Scale (SC)
- Erase (E)
- Copy (CO)
- Mirror (MI)
- Trim (TR
- Extend (EX)

- Explode (X)
- Stretch (S)
- Offset (O)
- Array (AR)
- Fillet (F)
- Chamfer (CHA)

COURSE CONTENT DAY 7 - EDIT

- Polyline (PE)
- Spline (SPE)
- Hatch (HE)
- Array
- lengthen (LEN)
- Join (J)
- Break (BR)

COURSE CONTENT DAY 8 - ANNOTATION

- Single line text(DT)
- multi-line text (T)
- Dimensions (Qdim)
- multileader (MLD)
- Table (TB)

COURSE CONTENT DAY 9 - STYLES MANAGERS

- Text Style (ST)
- Dimension style (D)
- Multileader style (MLS)
- Table Style (TS)

COURSE CONTENT DAY 10 - LAYER

- Layer Property manager (LA)
- Layer Isolation (LAISO)
- Layer Unisolation (LAUNISO) Block– Make Block (B)
- Insert Block (I)
- Dynamic Input
- Block Attribute

COURSE CONTENT DAY 11 - PROPERTIES

- Object Color
- Line weight (LW)
- Line type (LT)
- List (LI)
- Match Property (MA)
- Filter (FI)
- Group – Make group(G)
- Ungroup (UNG)
- Group edit

COURSE CONTENT DAY 12 - PALETTES

- Tool palettes (TP),
- Design Center (DC)

COURSE CONTENT DAY 13 - PARAMETRIC

- Geometric Constraints
- Dimensional Constraints

COURSE CONTENT DAY 14 - EXPRESS TOOLS

- Auto Numbered
- Arc Text
- Break line symbol
- Super hatch

COURSE CONTENT DAY 15 - LINKING AND EXTRACTION

- Data link
- Data extraction
- special paste

COURSE CONTENT DAY 16 - PLOTTING

- Printing setting
- Layout
- Import
- Export
- Workspace

COURSE CONTENT DAY 17

- View manager
- Visual style
- 3D Modeling

COURSE CONTENT DAY 18

- Solid Editing toolbar

COURSE CONTENT DAY 19

- Modifying toolbar
- Material
- Lights
- Camera
- Render
- Animation

COURSE CONTENT DAY 20 -30

- Projects on Automobile and other components

ADVANTAGES AT OUR INSTITUTE

- Training by expert professionals
- Classes limited to 10 – 15 students for better individual attention
- Doubt clarification in class and after the class
- Personal attention and guidance for every student
- Running notes in the class
- Live practical examples in class
- Job Placements assistance after the course