Course Name: Course in AutoCad
Course Code: P7

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Course in AutoCad

1. **Introduction:**
   AutoCAD is a computer-aided design software application, developed by Autodeck, used primarily for architectural and engineering-related drafting and design. Students learn to use AutoCAD software to create 2- and 3-dimensional drawings for use by architects and engineers.

2. **Eligibility:**
   XII th pass and Knowledge of Basic IT

3. **Duration:**
   60 Hours. Two hours a day.
   - Theory 10 hours
   - Practical 50 hours

4. **Course Details:**

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- Introduction to the course and hardware
  - Overview of AutoCAD Release
  - Overview of a PC, peripherals e.g. printers and plotters, system settings and the Windows environment

- Starting a New Drawing/Opening an existing drawing
  - Setting up a drawing starting from scratch, using a Wizard, using and creating a template file
  - Opening an existing drawing
  - Screen layout, pull-down menus, screen icons, command line and dialogue boxes, status bar toggles
  - Setting preferences

- Drawing Commands
  - Lines, multilines and polylines
  - Arc, circle and ellipse
  - Co-ordinate input methods (directive, absolute, relative and polar)
  - Hatching
  - Dimensions
  - Text (multi-line & single line / true type fonts)

- Edit Commands
- Erase, trim, extend, break and explode
- Copy, offset, array, fillet and chamfer
- Move, stretch, rotate and mirror

**View Commands**
- Zoom, pan, redraw and regen (realtime options)
- Hide, shade and viewpoint

**Drawing Settings and Aids**
- Osnap settings, grid and snap
- World UCS and User-defined UCS
- Text styles and dimension styles (importing & exporting)
- Drawing limits and units
- Layers
- Modify and match properties
- Blocks and Wblocks
- Attributes
- Paperspace, layout space, tilemode and viewports (layer)
- AutoCAD Bonus Tools
- In-Place editing of XREFs.

**Assist Commands**
- Cancel, undo and redo
- Help

**Saving and Plotting**
- Pen assignments and printer setup
- Rotation, scale and preview
- Saving and opening files using Windows Explorer whilst in AutoCAD.

**Project Work**

**5. Fee:**
Rs. 4000/- (exclusive of all taxes)