AUTO CAD FOR CIVIL ENGINEERS

COURSE CODE: MOOCCIV-A01 **DURATION: 5 Weeks**

Course Prerequisites:

Basic Knowledge of Computer

Learning outcomes:

1. Auto Cad Basics
2. Auto Tools and function to draw building plans

Course Description:

Advance your career as Civil Engineer.
This course is for the new or aspiring Civil Engineering graduates who wants to pursue their career in various fields of Civil Engineering. The course will lead you towards working in MNC's which deals in Drawing of buildings like building plans, sections, Elevations etc.

COURSE DETAILS

MODULE-1. Introduction to Auto CaD
    TOPIC 1: (Intro and About Auto Cad)
        Lecture 1.1: (About Autocad)
        Lecture 1.2: (UI and CUI Settings)
        Lecture 1.3: (Classic work space of Auto Cad)
        Lecture 1.4: (Auto Cad Navigation button)

    TOPIC 2: (Basic drawing commands in Autocad)
        Lecture 2.1: (Command bar, Mouse operations and units settings)
        Lecture 2.2: (Line)
        Lecture 2.3: (Polyline)
        Lecture 2.4: (Circle)
        Lecture 2.5: (Rectangle)
        Lecture 2.6: (Arc)
        Lecture 2.7: (Ellipse)
        Lecture 2.8: (Hatch and Gradient)

MODULE-2. Auto Cad Commands
    TOPIC 1: (Important Modify Commands)
        Lecture 1.1: (Move)
        Lecture 1.2: (Copy)
        Lecture 1.3: (Rotate)
        Lecture 1.4: (Mirror)
        Lecture 1.5: (Scale)
        Lecture 1.6: (Trim and Extend)
        Lecture 1.7: (Fillet and Chamfer)
        Lecture 1.8: (Offset)
        Lecture 1.9: (Erase)
        Lecture 1.10: (Explode)

TOPIC 2: (Other useful Commands)
Lecture 2.1: (Text)
Lecture 2.2: (Dimensions)
Lecture 2.3: (Types of Dimensions)
Lecture 2.4: (Leader)
Lecture 2.5: (Table)

MODULE-3. About Layers and some important toggle keys
TOPIC 1: (Layers)
Lecture 1.1: (Layers control)
Lecture 1.2: (Properties of Layers)
Lecture 1.3: (How to use Layers in Autocad
TOPIC 2: (Precision Features, How to select Multiple Objects and overlapping command)
Lecture 2.1: (Polar Tracking)
Lecture 2.2: (Locking Angles)
Lecture 2.3: (Object Snap)
Lecture 2.3: (Grid Snap)
Lecture 2.3: (Coordinate entry)

MODULE-4. How to prepare Building Plan in Auto Cad using various commands
TOPIC 1: (Introduction of Preparation of Building Plan in Auto Cad)
Lecture 1.1: (Preparation of Building Plan in Auto Cad)

MODULE-5. Practical Trainings
TOPIC 1: Practical Trainings
Lecture 1.1: How to make Elevation
Lecture 1.2: How to make Sections