

**AUTOCAD 2D: ARCHITECTURE**

**COURSE CODE: MOOCARC-A01**

**DURATION: 8 Weeks**

**Course Prerequisites:**

Basic Knowledge of Computers

**Course Objectives**

- To draft and edit AutoCAD Drawings (Plans, Elevations, Sections and Layouts)
- To be able to use AutoCAD commands for making and editing drawings, dimensioning, inserting symbols, text and blocks.
- To equip the users with the essential drafting skills in AutoCAD for complex drawings.

**Course Description:**

This course is a full-module AutoCAD 2018, learning package which contains relevant topics required to work with the software. The course is designed for a beginner as well as seasoned users.

A beginner can start learning the software right from scratch by following the course along just from lecture one. A seasoned AutoCAD user will also find this course very comprehensive and can choose the topics one wishes to pursue by skipping the basics.

**COURSE DETAILS**

**MODULE 1: Introduction to the Course**

- Lecture 1: Introduction to interface
- Lecture 2: Basic of AutoCad
- Lecture 3: Setting up OD Units & Dimensions

**MODULE 2: Drawing tools & Modify tools in AutoCad**

- Lecture 1: Use of Circle Command
- Lecture 2: Use of Polygon Command
- Lecture 3: Arc and Ellipse Command
- Lecture 4: Offset, Trim, Extend.
- Lecture 5: Move Copy and Rotation of Object
- Lecture 6: Stretching and Scaling of Object

**MODULE 3: Text, Line & Block in AutoCad**

- Lecture 1: Text, Line & Block in AutoCad
- Lecture 2: Text Writing in AutoCad
- Lecture 3: Types of Lines in AutoCad
- Lecture 4: How to make a block in AutoCad

**MODULE 4: Drawing of an Object & Layers, Hatch**

- Lecture 1: Basic of Drawing an Object
- Lecture 2: Layers in AutoCad
- Lecture 3: Hatch in AutoCad

**MODULE 5: Attributes & Annotatives**

Lecture 1: To Plot and PDF of Drawing

Lecture 2: Use of Attributes

Lecture 3: Properties of Annotative

**MODULE 6: Grouping & Ungrouping, Dimension Command & Point Styles**

Lecture 1: Grouping & Ungrouping of Object

Lecture 2: Measurement of Object without using Dimension Command

Lecture 3: Uses of Point Styles

Lecture 4: Points & Breaking Up Lines

**MODULE 7: Arrays, Duplicate objects & Symbols in AutoCad**

Lecture 1: Rectangular Array

Lecture 2: Polar Array

Lecture 3: Path Array

Lecture 4: Deleting Duplicate Object and Overkilling

Lecture 5: How to use different types of Symbol in AutoCad

**MODULE 8: Project: Basic Home Plan**

Lecture 1: Basic Home Plan Part 1

Lecture 2: Basic Home Plan Part 2

Lecture 3: Basic Home Plan Part 3