AUTOCAD COURSE CURRICULUM

01   **Induction Class (Optional)**

🕐 **1 Hour**

02   **Introduction to Autocad**

- Importance of Designing &Drafting
- Requirements of tools
- Scope of study
- AutoCad Introduction
- Preliminary settings in AutoCAD
- Drafting settings in AutoCAD
- Co-ordinate systems and 2D Views
- Coursework

🕐 **2 Hours + 15 Minutes Doubt**

03   **Geometry Development in AutoCAD**

- Geometry Creation
- *Object Properties and its significance*
- *Geometry Modification*
- Coursework

🕐 **2 Hours + 15 Minutes Doubt**

04   **Advanced Functions in AutoCad 1**

- Setting Dimensions, Text and Leader
- Creating Tables, Linking Data and Extracting Data
- Parametric Constraints
- Design Center
- Blocks and Dynamic Blocks
- Coursework

🕐 **2 Hours + 15 Minutes Doubt**

05

Advanced Functions in AutoCAD 2

- Layer Management
- Attributes and Templates Generation
- Layout and Viewports
- AutoCAD Plot styles
- Course work

2 Hours + 15 Minutes Doubt

06

Introduction and Part Modeling in Inventor

- Product Development cycle Management
- UI of Autodesk Inventor Professional
- CAD Solution providers
- Autodesk Inventor Professional Introduction
- Exploring User Interface
- Primitive shape Development
- Developing advance shapes
- Coursework

2 Hours + 15 Minutes Doubt

07

Sheet Metal Design and project in Inventor

- Sheet Metal Design Parameters
- Design Settings
- Developing Base and Secondary Features
- Cutting and Stamping Operations
- Course Work

2 Hours + 15 Minutes Doubt

08

Assembly Design & Project Discussion in inventor

- Assembly Design and approaches
- *Defining Constraints and joints*
- Duplicating Components
- Exploring content centre
- Course Work

2 Hours + 15 Minutes Doubt

09	**Drafting & Project Disussion in Inventor**	• Understanding need for documentation • Drafting setup with standards • Creating Part Drafting • *Defining GD&T to part drafting* • Creating Assembly drafting • *Defining Part list* • Course Work	1 Hour
10	Project	**Discussion on Project and Problem statements**	2 Hours + 15 Minutes Doubt