CATIA

1. INTRODUCTION TO CATIA

a) Sketcher workbench

✓ Explanation about sketch environment, tools and how to create 2d sketches

✓ Explanation about sketch constraints and function features

b) Part design workbench

✓ Explanation about Part design workbench, orientation, features and its types

✓ Explanation about SKETCH base features, Dress up and transformation features

✓ Explanation about BOOLEAN OPERATIONS

c) Assembly design workbench

✓ Explanation about Assembly design workbench environment, orientation, features and its types

✓ Explanation bottom, up and top down assemblies

✓ Explanation about assembly constraints, bill of materials & Space analysis

d) Drafting workbench

✓ Explanation about Drafting workbench environment, orientation & features

✓ Explanation about how to insert different views and dimensioning

2. SURFACE MODELING

✓ Explanation about SURFACE design workbench types environment, orientation and features

✓ Explanation about generative shape design workbench

3. SHEET METAL MODELING

✓ SHEET METAL design workbench:

Explanation about SHEET METAL design workbench environment, orientation, features about sheet metal features like bending, punching, stamping and reliefs.