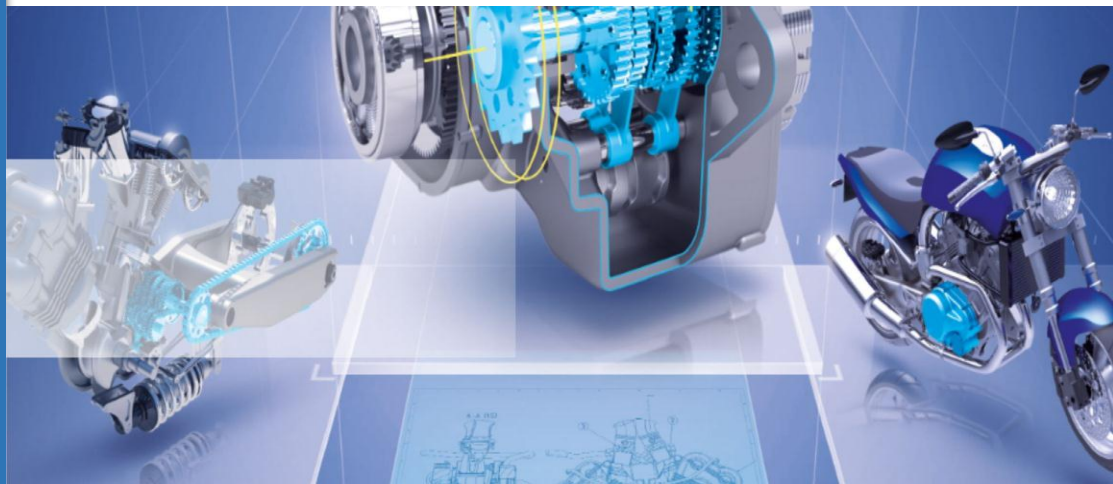


**GET TRAINED BY
INDUSTRY EXPERTS**



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Surface Design

Drafting Module

Wire Framing

Assembly Design

Part Modeling

Sketcher



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Module 1: Introduction of Design

- ❖ Product Design Cycle
- ❖ CAD/CAM/CAE

Module 2: Introduction to CATIA

- ❖ Graphic User Interface of CATIA
- ❖ Getting Started with CATIA

Module 3: Sketcher

- ❖ Workbenches
- ❖ Modules of CATIA
- ❖ Sketch tool bar
 - Sketch Tools
 - Profile Tools
 - Standard Toolbar
- ❖ Sketch Tools
 - Constraint Tools
 - Operation Tools
 - Translation Tools
 - Re limitation Tools

Module 4: Part Modeling (Sketch Based Feature)

- | | |
|-------------------------|------------------------------|
| ❖ Pad | ❖ Remove Multi section Solid |
| ❖ Multi pad | ❖ Round |
| ❖ Drafted –Fillet Pad | ❖ Chamfer |
| ❖ Reference Element | ❖ Draft |
| ❖ Pocket | ❖ Shell |
| ❖ Multi Pocket | ❖ Thickness |
| ❖ Drafted-Fillet Pocket | ❖ Stiffener |
| ❖ Shaft | ❖ Solid Combine |
| ❖ Groove | ❖ Thread/Tap |
| ❖ Hole | ❖ Remove Face |
| ❖ Rib | ❖ Replace Face |
| ❖ Slot | |
| ❖ Multi section Solid | |

Module 5: Part Modeling (Transformation Feature)

- ❖ Translation Feature
- ❖ Scale
- ❖ Pattern
- ❖ Boolean Operation

Module 6: Advance part modeling

- ❖ Design table
- ❖ Parameter
- ❖ Formula creation
- ❖ Material Definition & Rendering.

Module 7: Project for Assembly

Module 8: Introduction to Assembly

- ❖ Type of assemble design approach
- ❖ Top down approach
- ❖ Bottom up approach

Module 9: Assembly Design

- ❖ Product structure tools
- ❖ Insert
- ❖ Replace
- ❖ Manipulation tool bar
- ❖ Constraints tool bar
- ❖ Explode
- ❖ Reuse pattern
- ❖ Assembly features
- ❖ Fast Multi Instanliation

Module 10: Assembly Case Study

Module 11: Drafting Module

- ❖ Sketching/drawing/drafting/detailing
- ❖ Types of views
- ❖ Define /modify/delete sheet

Module 12: Generative drafting

- ❖ View creations of all types.
- ❖ Front view, sectional view, broken view projection views etc.

Module 13: Interactive drafting

- ❖ Sketch generation tool bar.
- ❖ Dimensioning in sketch
- ❖ Tolerance annotation tool bar

- ❖ Axis and threads
- ❖ Symbols Text
- ❖ Creating Annotations
- ❖ Bill of material

Module 14: Demonstration for other advance Software's

Module 15: Introduction to wireframe & surface modeling

- ❖ Sketch generation tool bar
- ❖ Line, points, plane, projections,
- ❖ Circle, corner, curve, helix etc.

Module 16: Wire frame & Surface design

- ❖ Extrude
- ❖ Revolve
- ❖ Sphere
- ❖ Cylinder
- ❖ Sweep
- ❖ Offset & fill
- ❖ Multi section Surface
- ❖ Blend
- ❖ Surface extraction command.
- ❖ Join healing tool bar
- ❖ Operations tool bar
- ❖ Extract tool bar
- ❖ Extrapolate

Module 17: Sheet Metal Design