

CATIA SYLLABUS

CATIA Interface & Setup

- Workbenches Overview
- Toolbars & Specification Tree
- View Controls
- Units & Settings
- File Management

Sketcher Workbench (FOUNDATION 🔥)

- Sketch Tools
- Constraints
- Geometric Constraints
- Dimensional Constraints
- Fully Constrained Sketch
- Sketch Analysis

CATIA SYLLABUS

Part Design Workbench (CORE 🔥)

- Pad
- Pocket
- Shaft
- Groove
- Hole
- Fillet
- Chamfer
- Draft
- Shell

A grey graduation cap icon with a yellow tassel is positioned to the left of the text.

Advanced Part Modeling

- Boolean Operations
- Multi-Body Design
- Rib
- Slot
- Patterns
- Transformation Features

CATIA SYLLABUS

Reference Elements

- Planes
- Axes
- Points
- Use of Reference Geometry

Assembly Design Workbench

- Creating Assemblies
- Fixing & Constraining Parts
- Assembly Constraints
- Exploded Views
- Clash Detection

Drafting Workbench

- Creating Drawing Views
- Dimensions
- Tolerances
- Surface Finish Symbols
- Title Blocks
- BOM

CATIA SYLLABUS

Surface Design (ADVANCED 🔥)

Using Generative Shape Design (GSD)

- Wireframe Elements
- Surface Creation
- Surface Analysis
- Trim & Join
- Healing Surfaces
- Surface to Solid Conversion

Sheet Metal Design

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- A large, semi-transparent watermark of the PRERNAGATI & TECHNOLOGY logo is overlaid on the page. It includes a graduation cap icon on the left and the text "PRERNAGATI" in red and blue, with "& TECHNOLOGY" in white on a blue background below it.
- Wall
 - Bend
 - Flange
 - Corner Relief
 - Flat Pattern
 - Sheet Metal Drawings