

# GradTech

## Dassault systèmes CATIA



Asia's First EdTech  
Platform for Core  
Engineers

### Foundational Track

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#### Module 1: Introduction to CATIA

- Part Design User Interface
- View and Interaction with Parts
- Introduction to Sketcher Workbench
- Constraining Sketches
- Constraints Colours
- Compass view

#### Module 2: Let's start sketching and modeling

- Sketching Overview
- Lines & Rectangles, Dimension
- Sketches, Contact Constraint
- Lines & Rectangles
- Conic shapes, Spline, Fix together
- Quick Trim, Fully Defined, Project edges
- Corner, Chamfer, Rotate, Scale
- Symmetry & Mirror
- Sketch analysis

#### Module 3: Part design

- Pad, Pocket, Shaft, Groove, Multipad
- Rib, Slot, Hole, Rectangular pattern
- Circular pattern, Fillet, Chamfer Draft
- and amp shell , Translate Rotate,
- Symmetry mirror, scaling Planes, Multi
- section solid Apply material, color &
- transparency Part details
- Measure tools Overview
- Boolean Operations Overview
- Create Boolean Bodies
- Boolean Add and it's Application

#### Module 4: Drafting

- Drowing intro, Insert drowing
- view Drowing display, section
- view Details view, view scale
- Linear and angular dimensions
- Radial, Dia, Precision dimensions
- Anchor point, Inserting GD&amp;
- Print settings

## Module 5: Assembly

- Assembly introduction
- Constraint VS Positional assembly
- Inserting components, Update
- Coincidence, contact constraint
- offset ,angle and fix constraint
- Manipulation, compass positioning
- Snap, constraint and explode

## Module 6: Surface design

- Surface designs
- multi section extrude
- Fillet-Boundary-Sweep- join-Thick Surface
- Sew Surface-offset
- Sweep-Symmetry
- sweep
- fill
- Split
- Finishing the example Part
- Revolve sphere-Close-Surface

## Module 7: Sheet metal design

- Wall surface stamp
- Curve stamp
- Circular Stamp- Wall on edge
- User defined stamp
- Example which uses all the other options.

## Project and tools

After completing all five design modules, students must finish the assigned tasks and projects within the specified deadlines. Once submitted, our team will evaluate your assignment, and we will award you a certificate based on your project submission.

## Ongoing real industry project discussion with industry experts

- Project discussion with expert
- Industry expectations from freshers
- Required skills as per industry need
- Networking and some insights
- Growth and development
- Expectations and reality

## Interview preparation

- Aptitude and English
- Corporate ethics and etiquette
- Formal mail practice
- Group discussion
- How to handle interview questions
- Salary negotiation skills
- LinkedIn networking
- Mock interviews

## Ready to turn your dreams into reality?

 [Speak with our Career Counselor](tel:7905014657)

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