



## Plastic Design using CATIA V5

Course Curriculum (Duration: 80 Hrs.)

1. **Basic considerations**
  - a. Introduction to plastic
  - b. Automotive usage of plastic
2. **Materials**
  - a. Types of materials
  - b. Automotive usage
3. **Defects**
  - a. Types
  - b. Occurrence
  - c. Solution
4. **Tooling**
5. **Molding processes**
  - a. Different types of process
6. **Features**
  - a. Types
  - b. Use in automotive parts
  - c. Purpose
  - d. Design and STD dimensions
7. **GD&T**
  - a. Different types of symbols used
  - b. Datum's
  - c. Features frame
8. **Layouts**
  - a. Safety
  - b. Comfort
  - c. Packaging
  - d. Environment
  - e. Complete Seat
9. **BOM & Assembly**
  - a. BOM creation and annotations
  - b. Assembly structure
10. CATIA modeling methodology and workshops

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IFS Academy, Pune

T:+91-20-6400 7296, M: +91-98228 49628, +91-99224 40102, E: training@ifsacademy.org,

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