

Duration: 1 Month

Fee: Rs.5000/-

PTC

PRO-Engineer (CREO)

Sketcher

Sketcher Mode, Sketcher Environment, Drawing a Sketch Using the Sketcher Tools, Dimensioning the Sketch, Sketched Entities Constraint, Modifying Dimensions, Fillets, Reference coordinate system, Splines, Moving and Resizing, Importing 2D Drawing

Modeling

General Interaction, Parametric Models, Basic Modeling, Using a Template, Cut Feature, Intent Manager, Manipulating Sketches, Rounds, Basic Modifications, Datum's, Holes. More Features, Sweeps and Blends, Resolve Features, Layers, Visualizations

Assemblies

Bottom-up Assembly, Top-up Assembly Components, Redefining the Components of an Assembly, Reordering the Components, Replacing Components, Modifying the Components, Creating the Exploded state, Bill of Material(BOM),Editing Assemblies

Advanced Modeling

Datum Points, Datum Curves, Relations, Sketcher, Variable Section Sweep, Standard Holes, User defined Features, Advanced Patterns, Family Tables ,Advanced Rounds, Helical Sweep, Creating a Map key

Detailing

Creating Drawing, Sections, Detailing, Tolerances, GD & T, Text, Formats, Assembly Drawings

Surfaces

Blended Surfaces ,Two parallel Curves ,Several parallel curves ,Non-parallel Curves ,Curves in 2 Directions ,Swept Blend ,Working with Surfaces, Merge ,Trim ,Solidify ,Offset ,Mirror ,Thicken ,Advanced Surfaces ,Rounds ,Blend Control Points ,Tangency Conditions ,Extend Surface ,Extension Distance ,Wrap Feature

Sheet Metal

The User Interface, Introduction, Terms, Toolbar, Object Selection and Viewing, Methodology, Unattached Walls, Extrude, Revolve and Flat Walls, Blend and Offset Walls, Additional Walls, Extend and Merge Walls Bend and Unbend, Cut, Round, Chamfer and Hole, Punch and Notch, Bend Back, Form Features, Flat Pattern and Flatten, Connect ,Deform Area, Bend Allowance, Setup and Parameters, Bend Order Tables, Projects

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Solid Works

Solid works contents

Introduction

Sketching

Parts and Features

Assemblies

Drawings and Detailing

Sheet metal

Import and Export

Motion Studies

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CATIA

User Interface, Managing Files

Visualizing Models, Specification Tree

Managing Geometry

Part Design

Introduction to part Design

Basic Sketch Based Features, Dress Up Features

Patterns, Additional Dress Up Features

Assembly Design

Basic Assemblies, Assembly Overview,

Assembly Workbench, Product Specification Tree,

Component Reposition Methods, Creating Bottom-Up Assembly,

Assembly Constraints

Wireframe and Surface

Basic Wireframe Geometry, Basic Surfaces

Geometrical Sets

Drafting

Drafting Introduction, Geometry Creation

Geometry Modification, Dress Ups

View Creation, Secondary Views

Editing Drawing, Dimensioning

Annotations, Draft Tools

Bordering Creation Ballons with Bill of Materials (BOM)

Filtering Assembly Drawing Views

Customizing Your Drawing Sheet

Drafting Workshop

Generative Sheet Metal Design

Introduction, Parameters

Walls, Bends, Features

Stampings, Operations, Drawing, GD &T

Project

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AutoCAD

Using the AutoCAD Modules, 3D User Interface

Viewing 3D Models, Views

Modifying 3D Models, Surface Modeling

Solid Modeling, solid editing

Sectioning solids, meshing

Revolving, extrusion, loft, sweep, shell, slice

Helix, mass properties, press/pull

Separate, planner surface, project work
