



INTRODUCTION OF DESIGN CONCEPT AND PROCEDURE

- Detailed Concept Of Cad
- Need & Importance Of Cad
- Overview About Actual Designing In Industries,
- Fundamentals Of Design And Its Implementation
- Methods
- All Characteristics Of Creo (Pro/E) To User
- Friendly Atmosphere
- Superiority of Creo (Pro/E) With Its Use And
- Demand In Industries

INTERFACE WITH GUI

- Menu Manager
- View Toolbar
- Controlling The View
- Model Display
- Datum Display Toolbar
- Working With Document
- File Tools
- System Colors
- Selecting The Entities
- Working With Mouse Button
- Selecting The Working Directory For Saving The
- Document
- Model Tree
- Pro-E Help Option
- Document In Session
- Set The Parameter Geometry

SKETCHER

- Sketcher Diagnostics Tools
- Creating the Vector Shapes
- Working with Grids
- Snap Mode
- Creating The Coordinate
- Creating Spline And Its Geometry Control
- Display Dimension
- Work With Weak And Strong Dimension
- Edit Definition
- Creating Axis For Reference
- Work With Geometrical And Dimensional
- Constraint
- Insert Design From Palette
- Creating Text
- Import Data From Dxf. File
- Deleting and Trimming The Sketch Entities
- Analyze the Sketch For Opening Edges
- Modifying the Design

BASE FEATURES OF PART DESIGNING

- Creating Solid Geometry
- Selecting The Part Environment
- Selecting Datum Planes (Top, Front, Right)
- Creation Of Sketch For Solid Modeling
- Converting An Area Into Volume Using Extrude
- Features
- Define The Limits Of Extrusion And Its Controls
- Remove The Cavity From The Solid Part
- Creating Revolute Design
- Cut Out Part By Revolute
- Sweep Feature
- Protrusion
- Thin Protrusion
- Cut Sweep
- Surfaces
- Blend Features
- Parallel Blend
- Rotational Blend
- Blend Surfaces
- Create Solid Profile Using Swept Blend Features
- Creating Spring By Helical Sweep
- Boundary Blend
- Creating Axis And Points
- Generate New Datum Planes
- Creating Datum Curves

EDITING FEATURES OF PART DESIGNING

- Mirroring Features
- Moving Features
- Suppressing Features
- Copying Features
- Deleting Features
- Patterning Features Creating Construction Geometry
- Rapid Sketch
- Continued..

CREATING SHEET-METAL SECONDARY WALL FEATURES

- Understanding Secondary Walls
- Creating Secondary Flat Walls
- Using Flange Walls
- Using Extruded Walls
- Wall Dashboard Options
- Understanding Relief

MODIFYING SHEET-METAL MODELS

- Bends
- Bend Options
- Unbend Features
- Bend Back Features
- Flat Pattern
- Sheet-Metal Cuts
- Die Form Features
- Punch Form Features
- Rip

SHEET-METAL BENDS AND SETTING UP THE SHEET-METAL ENVIRONMENT

- Order of Bend Features
- Fixed Geometry
- Flat States

SURFACE DESIGNING

SURFACE MODELING OVERVIEW

- Introduction to Surfacing
- Surface Modeling Uses
- Surface Modeling Paradigms
- Freeform Overview
- Blending Surface Modeling Paradigms
- Surfacing Terms

ADVANCED SELECTION

- Advanced Chain Selection
- Advanced Surface Selectionms
- Surfacing Terms

BASIC Surfacing Tools

- Creating Surface Extrude Features
- Creating Surface Revolve Features
- Creating Fill Surfaces
- Creating Sweep Surfaces with Open Trajectories
- Creating Parallel Blend Surfaces
- Creating General Blend Surfaces

HELICAL Sweeps

- Understanding Helical Sweeps Theory
- Utilizing Helical Sweeps for Surfaces

CREATING AND EDITING SOLIDS USING QUILTS

- Thickening Surface Quilts
- Solidifying Quilts to Add Material
- Solidifying Quilts to Remove Material
- Solidifying Quilts to Replace Material
- Offsetting Surfaces using the Replace Option

PROJECTS

Partners :



Java



development | consultancy | training

E-mail: info@ducatindia.com

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NOIDA

A-43 & A-52, Sector-16,
Noida - 201301, (U.P.) INDIA
☎ 70-70-90-50-90
☎/✉ +91 99-9999-3213

GURGAON

1808/2, 2nd floor old DLF,
Near Honda Showroom,
Sec.-14, Gurgaon (Haryana)
☎ 70-70-90-50-90

GHAZIABAD

1, Anand Industrial Estate,
Near ITS College, Mohan Nagar,
Ghaziabad (U.P.)
☎ 70-70-90-50-90

PITAMPURA (DELHI)

Plot No. 366, 2nd Floor,
Kohat Enclave, Pitampura,
(Near- Kohat Metro Station)
Above Allahabad Bank,
New Delhi- 110034.
☎ 70-70-90-50-90

SOUTH EXTENSION (DELHI)

D-27, South Extension-1
New Delhi-110049
☎ 70-70-90-50-90
☎ +91 98-1161-2707