

<b>Pro Engineer –Basic Training Program</b>	
DAY 01	Introduction to CAD/CAM /CAE,Parametric Design, Associative, Feature Based Modeling,System Requirements,Graphic User Interface of Pro/E,Getting Started With Pro Engineering,File Operations
DAY 02	Creation Tools, Dimensioning & Constraints
DAY 03	Sketcher Palette,Sketcher Relations
DAY 04	Part Modeling,Creation of Features- Extrudes, Revolves,
DAY 05	Ribs ,sweeps and blends
DAY 06	Datum Tools-Creating datum features.Datum Plane and Axis.
DAY 07	View Manager
DAY 08	Engineering Features-Creating holes and shells, Creating rounds, chamfers and Drafts
DAY 09	Edit Features-Selecting and editing , Modifying parts using History
DAY 10	Advanced Feature Operations-Variable section sweeps, Helical sweeps and Swept blends
DAY 11	Pattern,Group, copy, and mirror tools
DAY 12	Model Analysis- Measuring and inspecting models
DAY 13	Practice Day,Doubt clearing session
DAY 14	Basic Surfacing Tools, Creating surface features

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DAY 15	Editing surface features in Pro/ENGINEER , Use of Datum Sketcher
DAY 16	Variable Section Sweep, Boundary Blend
DAY 17	Relations and parameters, Layers, Family tables & UDF ,Advance Surfacing
DAY 18	Creating Tweak features, Modifying features, Advanced surface modeling
DAY 19	Practice Day,Doubt clearing session
DAY 20	Getting Started With Assembly, Bottom-up Approach, Assembly Features
DAY 21	Top-down Approach, Exploded Views and BOM
DAY 22	Advanced Utilities, Assembling with constraints
DAY 23	Creating and using flexible components, Using assembly features and shrinkwrap
DAY 24	Replacing components in an assembly ,Managing Assembly Models
DAY 25	Understanding simplified reps , Substituting components by rep, envelope, model
DAY 26	Creating and using assembly structure and skeletons
DAY 27	Creating and using component interfaces ,Interference & Clearance Checks
DAY 28	Practice Day,Doubt clearing session
DAY 29	Overview of Drafting, Creating Drawing Views,Adding sectional, Detail and Auxiliary views
DAY 30	Insert Templates, Format, Annotations, Symbols and Datum features, FCS, Ra

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DAY 31	Show & Erase Tool,Creation of Dimensions
DAY 32	Symbol Creations & Placements, Creating cross-sections, display styles, and combined views , Bill of Materials, Drawing Tools,GD & T
DAY 33	Creating drawing details Using advanced assembly constraints
DAY 34	Practice Day,Doubt clearing session
DAY 35	Primary walls, Secondary and unattached walls
DAY 36	Unbend, bend back and cuts
DAY 37	Notches and punches
DAY 38	Sheet metal forms, Jog, Dimple and Flange features, Hole cut, Lofted Flange features
DAY 39	Bending & Unbending sheet metal geometry, Converting solid parts
DAY 40	Converting solid parts
DAY 41	Sheet metal drawings with flat states and bend order table
DAY 42	Practice Day,Doubt clearing session
DAY 43	File Management, Export and Import of CAD Files, Concept of Version Files
DAY 44	Real time rendering, Managing PRO-E Environment
DAY 45	Practice Day,Doubt clearing session

Advance

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DAY 01	Introduction to core cavity
DAY 02	Parting Surfaces, Manual Parting Surfaces. Automatic Parting Surfaces
DAY 03	Extraction of Core & cavity,Draft requirements
DAY 04	Sliders and Lifters,
DAY 05	Multi-Cavity Molds
DAY 06	Feed System and Molding,
DAY 07	Water Line and Ejector Pins
DAY 08	Mold Analysis
DAY 09	Mold Layout And EMX
DAY 10	Practice Day,Doubt clearing session
DAY 11	Defining of various Joints
DAY 12	Assembling a Mechanism.
DAY 13	Manipulating a mechanism.
DAY 14	Running a Mechanism's Motion.
DAY 15	Animating a mechanism.
DAY 16	Practice Day,Doubt clearing session

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DAY 17	Product the part model, Create workpiece,
DAY 18	Perform the machining operation setup
DAY 19	Define machine operations (create a mill volume)
DAY 20	Define machine operations (create a mill window -- the simplest way to define geometry for a Volume milling NC sequence)
DAY 21	Create cutter location file and NC code
DAY 22	Practice Day,Doubt clearing session
DAY 23	Introduction to Rendering, Adding Lights
DAY 24	Applying Colors, Textures etc.
DAY 25	Applying user defined image on object, Extra Features
DAY 26	Practice Day,Doubt clearing session
DAY 27	Blue Print Reading. Pro-E File Management
DAY 28	How to apply Tolerances using IS Standards.
DAY 29	Advanced Utilities- Advanced reference management
DAY 30	Practice Day,Doubt clearing session