



## Training Schedule

### Introduction to Pro/ENGINEER Wildfire 4.0 CAD (Section)

Sr.	LIST OF TRAINING MODULES	Duration
<b>1</b>	<p><b>Module 01 — Using the Pro/ENGINEER Interface :</b></p> <p>Main Interface, Folder Browser, Web Browser, Window Menu, Setting the Working Directory, Managing Files, Basic Display Options, View Manager, Basic Color and Appearance Options, View Orientations</p>	<p><b><u>1<sup>st</sup> Week</u></b></p> <p><b>From</b> 5/10/09 <b>to</b> 7/10/09 <b>Days:</b> Mon, Tue &amp; Wed</p> <p><b>Time:</b> 17:00 to 20:00</p>
<b>2</b>	<p><b>Module 02 — Selecting and Editing:</b></p> <p>Pro/ENGINEER Basic Controls, Using Drag Handles, Keyboard Shortcuts, Renaming Objects, Model Tree Filters, Direct Selection, Selection Filters, Query Selection, Editing Features and Regenerating, Activating and Editing Models, Deleting and Suppressing Items, Search Tool</p>	
<b>3</b>	<p><b>Module 03 — Creating Sketcher Geometry :</b></p> <p>Reviewing Sketcher Theory, Design Intent, Modifying the Sketcher Display, Utilizing Constraints, Creating (Lines, Centerlines, Rectangles, Circles, and Circular Fillets).</p>	
<b>4</b>	<p><b>Module 04 — Using Sketcher Tools:</b></p> <p>Understanding Construction Geometry Theory, Using Geometry Tools, Manipulating Sketches, Dimensioning Entities, Modifying Dimensions, Sketcher Conflicts, Creating New Sketch Files.</p>	<p><b><u>2<sup>nd</sup> Week</u></b></p> <p><b>From</b> 12/10/09 <b>to</b> 14/10/09 <b>Days:</b> Mon, Tue &amp; Wed</p> <p><b>Time:</b> 17:00 to 20:00</p>
<b>5</b>	<p><b>Module 05 — Creating Sketches for Direct features:</b></p> <p>Creating Sketches, Sketch Setup, Sketch References. Dashboard Options: Hole Depth, Coaxial Holes, Linear Holes, Radial and Diameter Holes, Exploring Hole Profile Options, Creating Shell Features. Creating Rounds Theory, Rounds by Selecting Edges, Rounds by Selecting a Surface and Edge, Full Rounds, Round Sets, Creating Chamfers by Selecting Edges, Basic Chamfer Dimensioning Schemes, Chamfer Sets.</p>	
<b>6</b>	<p><b>Module 06 — Creating Datum Features Planes and Axes Extrudes, Revolves&amp; Ribs.</b></p> <p>Creating Datum Features, Datum Axes, Datum Planes. Creating Solid Extrude Features, Dashboard Options: (Extrude Depth, Feature Direction, Thicken Sketch, Solid Revolve Features, Revolve Angle, Rib Features).</p>	
<b>7</b>	<p><b>Module 07 — Assembling with Constraints</b></p> <p>Understanding Assembly Theory, Creating New Assembly Models, Assembly Constraint Status, Basic Component Orientation, Constraint Theory, Constraining Components using, (Insert, Mate, Align, Align and Mate Offset, Align and Mate Oriented, Align and Mate Angle, Automatic Option).</p>	<p><b><u>3<sup>rd</sup> Week</u></b></p> <p><b>From</b> 19/10/09 <b>to</b> 21/10/09 <b>Days:</b> Mon, Tue &amp; Wed</p> <p><b>Time:</b> 17:00 to 20:00</p>
<b>8</b>	<p><b>Module 08 — Creating Drawing Views</b></p> <p>Analyzing Drawing Concepts and Theory, Basic 2-D Orientation, Creating New Drawings and Applying Formats, New Drawings using Drawing Templates, Creating and Orienting General Views, Adding Drawing Models and Sheets, Projection Views, Modifying Drawing Views, Creating Assembly and Exploded Views, Cross-Section Views, Detailed Views, Auxiliary Views.</p>	

9	<p><b>Module 09 — Creating Drawing Details</b></p> <p>Analyzing Detail Concepts and Types, Showing and Erasing Detail Items, Cleaning Up Dimensions, Manipulating Dimensions, Driven Dimensions, Creating Notes, Creating a Bill of Materials, Analyzing Drawing Associativity.</p>	
10	<p><b>Module 10 — Resolving Failures and Seeking Help</b></p> <p>Understanding Resolve Mode Theory and Tools, Analyzing Geometry Failures, Open Section Failures, Missing Part References Failures, Missing Component Failures, Missing Component Reference Failures Invalid Assembly Constraint Failures, Using Pro/ENGINEER Help.</p>	<p style="text-align: center;"><b><u>4<sup>th</sup> Week</u></b></p> <p><b>From</b> 26/10/09  <b>to</b> 28/10/09  <b>Days:</b> Mon, Tue &amp; Wed  <b>Time:</b> 17:00 to 20:00</p>
11	<p><b>Project</b></p> <p>The Air Circulator, Piston Assembly, Crankshaft, Engine Block, and Drawing, Blower Assembly, Engine Blower Assembly, Completing the Design.</p>	
12	<p><b>Final Test</b></p>	