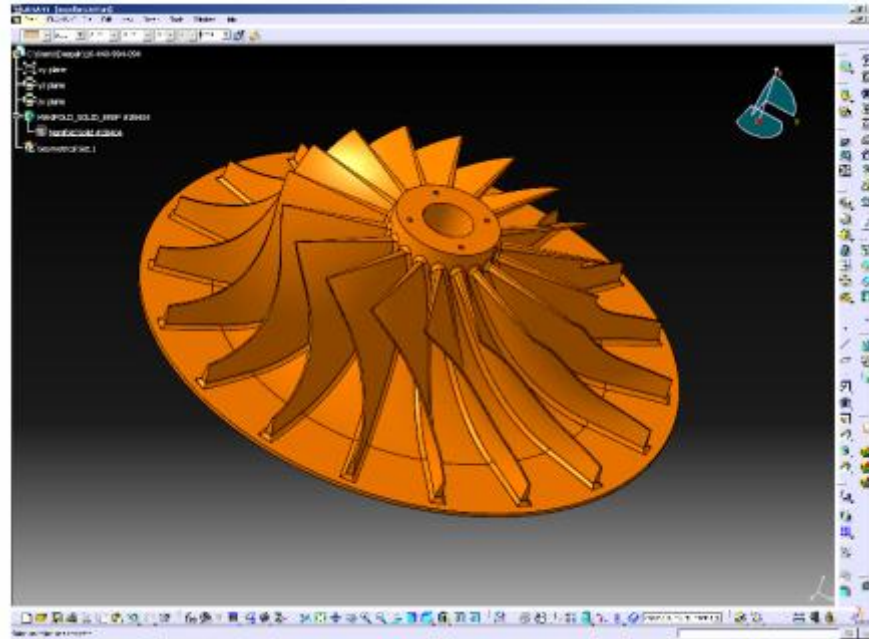


CATIA V5 – Design for NC Course

PDG, ASD, GSD, GDR



Duration: 5 days – (40 Hrs)

Overview:

CAMCOE with its several years of training and implementation experience with CATIA V5 NC manufacturing solutions introduces this custom "Design for NC" training course. This course has been specifically designed for NC Programmers, Engineers and Management people who require complete CATIA V5 fundamental skills before embarking into the NC Manufacturing solutions.

At the end of this course, participants will be fully skilled in creating sketches, solids, surfaces, assemblies and drawings which are all the necessary tools that are required to embark on the CATIA V5 NC manufacturing solutions.

Prerequisites:

Participants must possess basic concept knowledge of 3D solid modeling and CAD systems.



Topics Covered:

A.M.	P.M.
Day 1	
<ul style="list-style-type: none"> * CATIA V5 – Presentation – 60 mins. * Workbench concept and User Interface - 60 mins * Sketcher Workbench - 120mins. <i>Operation, Profile, Constraints, Creating Points, Lines, Circles, Sketching Pre-Defined Profiles</i>	<ul style="list-style-type: none"> * Part Design Workbench - 60 mins * Pads - 60 mins * Pockets - 60 mins * Thin solids - 60 mins
Day 2	
<ul style="list-style-type: none"> * Shafts - 60 mins * Holes - 30 mins * Fillets and Draft - 90 mins * Chamfer and Shell - 60 mins 	<ul style="list-style-type: none"> * Ribs - 30 mins * Patterns: Rectangular, Circular, User - 60 mins * Boolean Operation - 90 mins * Part Modifications - 60 mins
Day 3	
<ul style="list-style-type: none"> * Wireframe and Surface Design Workbench - 60 mins * Wireframe: Points, Lines, Circles and Planes - 60 mins * Extrusion, Offset, Sweeping, Filling - 60mins * Blending and Lofting - 30mins * Boundary and Intersection - 30 mins 	<ul style="list-style-type: none"> * Open Body and Part Body - 45 mins * Join and Split - 60 mins * Fillet - 30 mins * Translate - 45 mins * Project and Extract - 60mins
Day 4	
<ul style="list-style-type: none"> * Assembly Design Workbench - 60 mins * General Assembly process - 60 mins * Inserting Components - 60 mins * Compass control - 30 mins * Replacing Components - 30 mins 	<ul style="list-style-type: none"> * Moving Components - 45 mins * Constraints - 45 mins * Space Analysis - 45 mins * Measuring Tools - 45 mins * Flexible and Rigid Assembly - 60 mins
Day 5	
<ul style="list-style-type: none"> * Drafting Workbench - 60 mins * Drafting Details - 180 mins <i>View Creation Wizard, Primary, Section, Detail, Clipped, Break, Text and Dimensioning, Drawing Standards, Saving CATDrawing, Printing</i>	<ul style="list-style-type: none"> * Creating and Using Parameters - 45 mins * Concept of Design Tables - 45 mins * Links Management - 30 mins * NC Master Assembly Structure - 60 mins * User questions and wrap up - 60 mins.

For course schedules and pricing, kindly contact us at: training@camcoe.com

www.camcoe.com