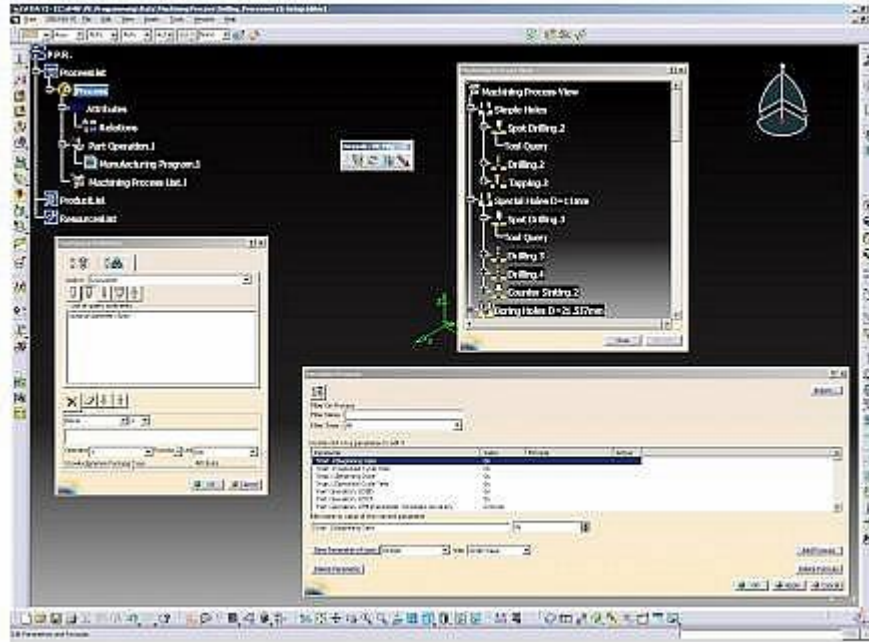


CATIA V5 – Automation for NC Course

PDG, ASD, NCI, PMG, SMG, PMA, NVG, MMG, AMG, MPG, KWA, KWE



Duration: 3 days – (24 Hrs)

Overview:

This customized course covers all the peripheral commands, functions, utilities and techniques for automating NC manufacturing tasks including knowledgeware. Automation and optimizing techniques centered on the NC manufacturing operations are taught in detail. The course has been specifically designed for NC Programmers, Engineers and Management people who require CATIA V5 automation skills for NC manufacturing.

At the end of this course, participants will be knowledgeable and fully skilled to embark on automating and optimizing CATIA V5 NC manufacturing applications.

Prerequisites:

Participants must possess basic working knowledge of CATIA V5 and ought to be proficient in Sketcher, Part Design, Assembly Design. Knowledge of machining with the CATIA V5 NC work benches is also required.



Topics Covered:

A.M.	P.M.
Day 1	
<ul style="list-style-type: none"> * CATIA V5 – PPR Structure – 30 mins * Using Formulas in CATIA V5 – 30 mins * Concept and Use of Design Tables – 60 mins * DML Technique for NC Product Creation – 120 mins 	<ul style="list-style-type: none"> * Using Publications in NC Manufacturing – 60 mins * Design Change Management in NC Mfg - 60 mins * Creation and Use of NC Seed Models - 90 mins * Creation and Use of NC Templates - 30 mins
Day 2	
<ul style="list-style-type: none"> * Creating and Using Parameters in NC - 45 mins * Using Machining Features – 60 mins * Creating User Patterns - using Power Search – 30 mins * Feature Recognition PMA - 30 mins * Creating and Using Tool Catalogs - 30 mins * Utilizing Tool and Assembly Visualizations – 45 mins 	<ul style="list-style-type: none"> * Creating and Storing Machining Processes – 60 mins * Process Catalogs and Instantiation Manager - 30 mins * Creating and using Macro Catalogs - 30 mins * Process Views – 15 mins * Process Table – 45 mins * Tool Path Editor – 30 mins * Auto Sequencing – 30 mins
Day 3	
<ul style="list-style-type: none"> * Recording and Running Macros – 30 mins * Customizing Shopfloor Documentation – 30 mins * Masking Technique for Roughing – 30 mins * Multi Stage CGR Management – 30 mins * Use of COPY, TRACUT, COPY Transformation – 30 mins * Batch Queue Manager – 30 mins * PPTables and APT Syntax Customization – 30 mins * FT05 – NC Data Generation Method – 30 mins 	<ul style="list-style-type: none"> * Knowledgeware in NC Manufacturing – 30 mins * Creating and Using Rules – 90 mins * Creating and Using Checks – 90 mins * User questions and training wrap up – 30 mins

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

www.camcoe.com