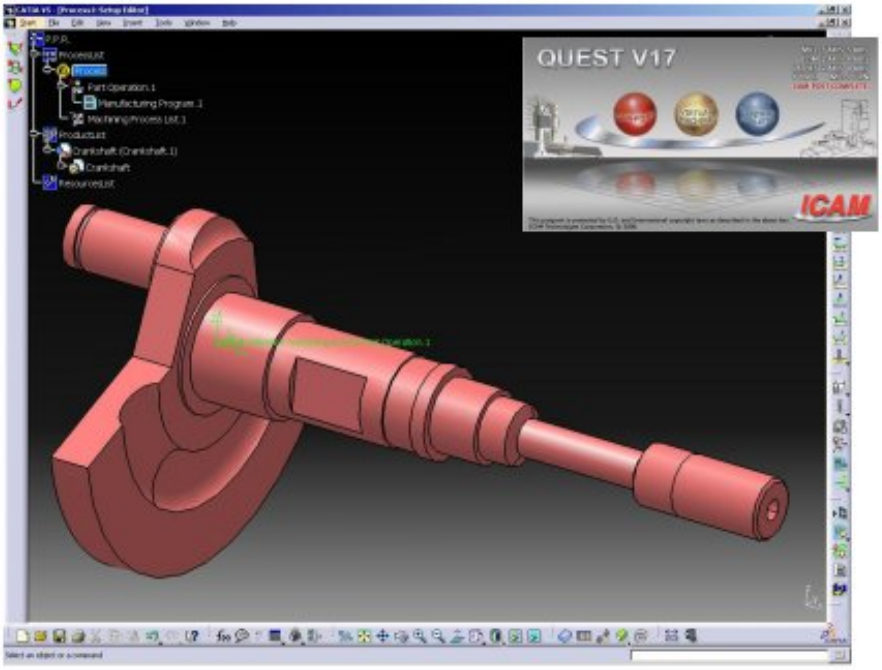
CATIA V5 / CAMPOST - Lathe Course

NCI, LMG, CAMPOST



Duration: 4 days – (32 Hrs)

Overview:

At the end of this course, users will learn to utilize the CATIA V5 / CAM-POST integrated platform with 2 to 4 axis turning capability and also learn to develop and use ICAM post processors for generating NC programs. Participants will learn to define and manage turning operations, being aware of all capabilities in terms of strategies, parameters and transition paths. They will also learn how to define and manage NC programs dedicated to machining parts designed with Surface or Solid geometry using the CATIA V5 LMG workbench Finally, users will learn how to develop and customize NC post processors with CAM-POST to efficiently generate and manage NC code output for particular lathe machine / controller combinations.

Prerequisites:

Participants should possess basic working knowledge in a CATIA V5 environment and ought to be proficient in Sketcher, Part Design and Assembly Design. Knowledge of basic lathe machining practices is required.

Topics Covered:

A.M.	P.M.
Day 1	
* CATIA V5 – NC Mfg Workbench Presentation – 30 mins. * Part Operations & Manufacturing Programs – 30 mins. * Lathe Roughing – 60 mins. * Grooving – 45 mins. * Profile Finishing – 45 mins. * Recessing – 30 mins.	* Groove finishing – 30 mins. * Transition Paths (macros) – 45 mins. * Threading – 45 mins. * Sequential Operation – 45 mins. * Axial Operations – 45 mins. * Tool Path Verification – 30 mins.
Day 2	
* Auxiliary Operations – 30 mins. * PP commands – 30 mins. * Generating Outputs (APT Source - NC Code) – 45 mins. * PP Table modification – 30 mins. * Lathe Tool Management – 45 mins. * Machining Process Creation – 60 mins..	* CAM-POST – Introduction to Post Processing – 60 mins. * Creating Posts with Campost Wizard – 60 mins. * Using RMD for macro creation – 60 mins. * Registers and Formats – 60 mins.
Day 3	
* Introduction to Macro Language – 120 mins. * Using SDL for macro creation – 120 mins.	* Introduction & Use of PP Functions – 150 mins. * CATIA / CAM-POST – NC Mfg Customization– 90 mins. Tool Compensation, Canned Cycles, Linear and Circular Interpolation, Home Point, Feedrates, Spindle commands, Coolant commands etc.
Day 4	
* Lathe Post processor Customization – 60 mins. * Live Spindle Management – 90 mins. * Multi Turret Management – 90 mins.	* CATIA / CAMPOST Settings & Administration – 120 mins. * Best Practices Approach for NC Data Output – 60 mins. * User Question and Answer Session – 60 mins.

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

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