



Hands on, Measurable
Training Programs

CATIA V5 VBA: Automation

Course Code	EDU-CAT-en-VBA-F
Brand & Release	CATIA V5R21, V5R23 (V5-6R2013)
Duration	3 days
Level	Fundamentals
Prerequisites	CATIA V5 Fundamentals, Visual Basic, Java Script is a plus Students should also have an understanding of the following concepts: <ul style="list-style-type: none">• Terminology and syntax related to the construction of VB statements using Variables, Operators, Objects, Properties and Methods• Constructing Conditional Statements and Loop Structures• Familiarity with User Form Controls and Events

Objectives:

At the end of this course, participants will have a good understanding of the different ways to automate tasks related to CATIA V5 via CATIA Macros and Visual Basic Programming.

Class Structure:

- Introduction to CATIA V5 automation practices including real world examples
- CATIA V5 OLE Automation, Journaling & Scripting Architecture
- Exported objects of CATIA V5
- Designing panels for Macros
- Graphic selection of objects
- Settings - V5 Administration
- Communication with another Automation server

Class Exercises:

- Ex. 1: Cylinders (Master Exercise)
- Ex. 2: Modifying the viewpoint of an existing document
- Ex. 3: Creating 2D sketch with constraints
- Ex. 4: Creating part design features
- Ex. 5: Creating 3D wireframes and 3D surfaces
- Ex. 6: Titanic
- Ex. 7: Drafting
- Ex. 8: Test Selections
- Ex. 9: Select Element
- Ex. 10: Get a Point
- Ex. 11: Settings - Applying local changes