



Define your CATIA skills

AscendBridge: CATIA V5 Automation using VBA

OBJECTIVE: At the end of this course, students will be able to create automation scripts, programs, and macros in CATIA V5, using Visual Basic and other automation tools available in CATIA V5.

Price per Student	Special Offering	
Duration: 3 Days	Student Profile: CATIA /ENOVIA key application & support engineer	Pre-requisites: Knowledge of CATIA V5 design & Visual Basic
TOPIC	DETAILS	TOPIC DURATION
Introduction to CATIA V5 Automation	Knowledgware, VB Automation, and CAA Skills Required for CATIA V5 Automation	.25
In-Process Marcos	CATIA V5 Visual Basic Editor, Macro Libraries, Recording & Running a Macro, Execution of a Macro from another Macro, Execution of a Macro which Require Parameters, Adding a Macro as a command in a Toolbar, Macros Options Interface	.25
Out-Process Programs	Running Out-Process Programs (On Windows only), Running Out-Process from VBA or Visual Basic, Example: Bolt from Excel, Running Out-Process using the Windows Scripting Host , VBScript under Windows Scripting Host, BoltVBSript.vbs Example, JavaScript under Windows Scripting Host, BoltJavaScript.js Example, Out-Process in HTML (Windows & Microsoft IE Only) Out-Process in HTML with VBScript, Out-Process in HTML with JavaScript	
VBA / VB Programming Basics	Programing Generalities, VBA / VB Common Controls, VB Programming Techniques	
Scripting with CATIA V5	CATIA V5 Object Architecture, Scripting Infrastructure Features, Scripting Sketches, Scripting Part Design Features, Scripting Shape Design Features, Scripting Assembly Design Features, Scripting Drafting Features	.5
Accessing Elements	Automatic Selections, Scanning the Containers, Access to a Specific Element, Graphic Selections Graphic Selection using 'Selection', Graphic Selections using SelectElement2, Creating Panels from Macros, Input box, Panels in an ActiveX component (Win), Miscellaneous I nformation	1
Obfuscating and Converting Macros	Obfuscate VBScript Macros, Multi-Product Support, Registering CATIA and Type Libraries, Converting a Macro to a Visual Basic Program, Converting a Visual Basic program to a CATIA Macro, Macros on UNIX / Windows	
Calling another Automation Server	Calling WSH from VBScript, Calling Excel, Drawing a Chart in EXCEL	
Exercises	Simple and Basic exercises	



Register on-line or call 1-888-326-8326
 Information contained within is subject to change. All classes are dependent on minimum enrollment
 Prices indicated do not include applicable taxes

