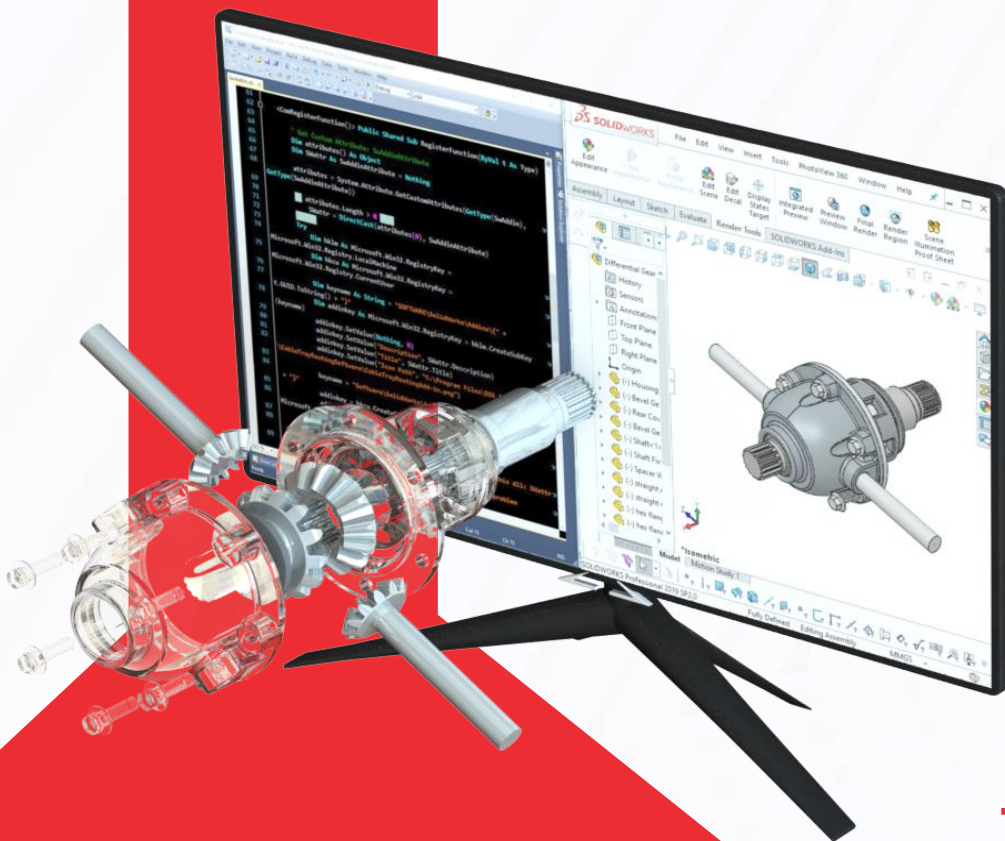




Transferring Technology...

SOLIDWORKS API - Advanced

COURSE



Contact us:

+918925876123

COURSE DESCRIPTION : SolidWorks API Advanced

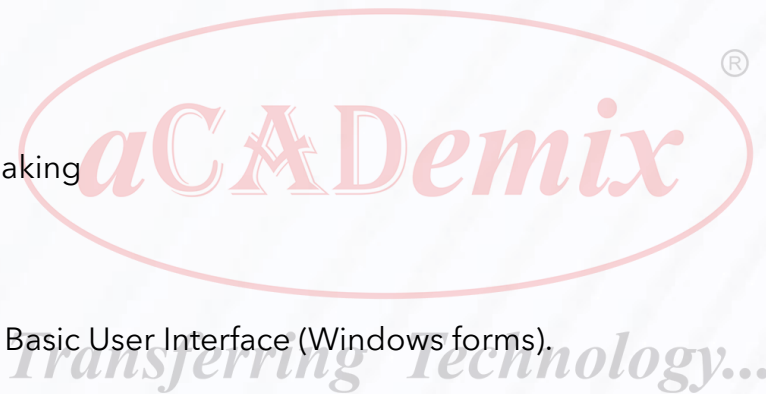
COURSE DURATION : 54 hrs.

SYLLABUS

VB.Net

Module 1: Fundamentals of programming Visual Basics

- Program Structure
- Basic Syntax
- Data Types
- Variables
- Constants
- Statements
- Operators
- Object
- Decision Making
- Loops
- Strings
- Arrays
- Functions - Basic User Interface (Windows forms).



Module 2: Advanced VB.Net

- Collections
- Classes & Object
- Exception Handling
- File Handling
- Dialog Boxes
- Windows form controls
- Event Handling.

SOLIDWORKS API

Module 3: SolidWorks VBA Introduction

- Introduction to SolidWorks Macro
- Record/Pause/Stop Macro
- Editing Macro
- Understanding Macro coding

- Features of VBA IDE (Intellisense, Immediate window, debugger)
- Declaring and managing SOLIDWORKS and SOLIDWORKS Documents
- SolidWorks object model.

Module 4: VB.Net & SOLIDWORKS Integration

- Adding SW References
- Importing Namespaces
- Using Namespaces
- Interfaces
- Methods
- Call-backs.

Module 5: Part Automation

- Feature Manager Tree Traversal
- Manipulation of Custom properties
- Configurations
- Creating a new/opening an existing SOLIDWORKS Part document
- Creating a sketch, editing an existing sketch and deleting
- Add/ delete/ edit sketch segments
- Constraining the sketch segments
- Create 3D features.

Module 6: Assembly Automation

- Creating a new/ opening an existing SOLIDWORKS Assembly document -
- Inserting a component into the assembly -
- Changing component configuration -
- Rotating/ relocating the component -
- Manipulating mates between components.

Module 7: Drawing Automation

- Creating a new/ opening an existing SOLIDWORKS Drawing document
- Inserting standard views, BOM, Model dimensions
- Creating/deleting sheet, changing sheet formats
- Saving drawing document as SLDDRW, PDF, DWG, STEP
- Working with Annotations.

Module 8: Stand-alone application

- Basic working procedure with Visual studio

- Creating a Console application to manipulate SOLIDWORKS.
- Creating Windows form application to manipulate SOLIDWORKS.
- Publishing and deploying Standalone application.

Module 9: SW add-in application

- Installing SOLIDWORKS API SDK - Using SOLIDWORKS API add-in template
- Attaching/ detaching document event handlers (Delegates)
- Creating custom menu - Creating custom command-tab box
- Creating Taskpane
- Building add-in(.dll)
- Working with registry information
- Using Windows Installer
- Creating setup for deployment of the add-in.

Certificate:

On successful completion of the course and evaluation, the Certificate will be issued by aCADemix.

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OTHER COURSES

SolidWorks 3D CAD

- SolidWorks-Basics
- SolidWorks-Advanced
- SolidWorks- Mold Design
- SolidWorks- Routing
- SolidWorks-Composer
- SolidWorks-MBD

SolidWorks Simulation

- SW Simulation Advanced
- SW Simulation-Fatigue FEA
- SW Simulation-Drop Test FEA
- SW Simulation-Dynamic FEA
- SolidWorks Motion
- SolidWorks Plastics

Design For Quality (DFQ)

- GD&T-Introduction
- GD&T-Advanced
- Tolerance Stack-Up Analysis[®]
- DFMEA

SolidWorks Automation

- SolidWorks API - Basics

SolidWorks PDM

- SolidWorks PDM- User
- SolidWorks PDM - Admin

SolidWorks PDM Automation

- SolidWorks PDM- Automation

Abaqus CAE

- Abaqus CAE - Linear Static Analysis