



AutoCAD .NET API Training

Value Addition | Offline/Online/Hybrid

Duration: 40 Hours

REGISTER NOW



KHAGOLAM

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Course Information

Course Title: **Programming .NET API for AutoCAD**

Duration: **32 Hours**

Training Modes: **Offline/Online/Hybrid | Full Time/Part-time**

Timing: **Min 3 hours/day | Max 8 hours/day**

Course Eligibility

- Experience with the C#.NET programming languages is required
- A basic understanding of the "end-user" functionality of AutoCAD is required. Prior experience customizing AutoCAD will add benefits

Fee

25,000 INR, for resident Nationals of India, Nepal, Bhutan, Bangladesh, Sri Lanka and Maldives, & Myanmar.

615 USD, For Non-Residents of India.

INSTALMENTS: 5,000 on registration.
20,000 - before the course starts.

Overview

Want to get under the hood of the .NET API for AutoCAD? If you wish to customize AutoCAD or develop applications on top of it, build add-ins with C# for AutoCAD. This course is designed for developers and experienced users of AutoCAD software who would like to develop applications using the AutoCAD .NET API.

This class provides a detailed outline of the features associated with the AutoCAD .NET API. In addition to technical overviews, this course offers sample C#.NET code and hands-on labs, as well as examples to get you started.

You will learn to

1. Understand and use Visual Studio IDE environment, project setup, AutoCAD dll references



2. Understand AutoCAD namespaces and .NET API object model diagram
3. Browsing API classes using class model diagram and object explore in visual studio
4. Exploring and use various help resources, videos and blogs on AutoCAD .NET API
5. Understand the collection objects, difference between graphical and non-graphical objects
6. Define custom command, access command line using API, Executing AutoCAD inbuilt commands
7. Define, access and manipulate the DWG database structure
8. Control AutoCAD preferences programmatically. Get/Set System Variables
9. Control the Application Window, Control the Drawing Windows
10. Create, open, close, lock, unlock drawing using API. Understand batch processing logic
11. Accessing model space, paper space, layer, text style, dimension style table records
12. Understand DWG database transaction life cycle implement nested transaction
13. Understand the user prompt object relationships. Prompt for user inputs, Prompt for selection
14. User Interface design – Using WinForms dialogs in custom commands
15. Create basic drawing object like: line, text, circle, pline, blocks, XR and more
16. Manipulate basic drawing object like: line, text, circle, pline, block, XR and more
17. Work with selection set, selection filtering, and Pick object from screen, adding, removing and merging objects in selection sets.
18. Assing and retrieve extended data (Xdata) to object. Using XData to developer smarter apps
19. Setup layout, plot setting of layouts, Working with viewports
20. Plot model and paper space and control plotting styles
21. Understand the event handler in AutoCAD, Handle various object events
22. Customize AutoCAD Ribbon using API



23. Application deployment. Register/de-register dlls. Autoload dll in AutoCAD startup.
24. Batch processing of dwg/dxf using external windows app.

How to Apply

Step 1: register at: <https://www.khagolam.com/home/register>

Step 2: Check mail for course & bank details

Step 3: Transfer payment & share transaction receipt on What's App

Step 4: You will receive registration confirmation, by SMS/Call/Whats App.

REGISTRATION SHALL CLOSE 4 DAYS BEFORE THE START DATE. SPOT REGISTRATIONS ARE NOT ALLOWED.

FAQ's

Q: Does fees include accommodation and food?

A: No. but we can help you to get the nearest accommodation.




Why Khagolam:

- Specialize institute for geospatial technologies
- Job oriented curriculum
- Comprehensive training material
- 100% placement assistance
- Professional Trainers
- Exposure to live projects
- Flexible timings
- Exposure to 3D GIS
- Practice, aptitude and interview rounds
- e-library facility



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