

## Dot Net developer

72 Hours

### About the Course

Microsoft is known for its innovative technology products and services. This course introduces DOT NET framework using C# language. ASP.NET is Microsoft's middleware that is built on the DOT NET framework. It is the successor to Active Server Pages (ASP) and broadly used for web based application development using XML, Web services and ASP.NET. Knowledge of ASP.net, C# with SQL Server is essential to build dynamic web applications.

This DOT NET developer training program is an interactive training delivery with appropriate mix of theory with hands on sessions. The training includes an opportunity to work on real life project under the guidance of industry experts.

### Course objectives

Upon completion of this training course, attendees obtain in-depth knowledge on:

- Learn C-Sharp Fundamentals
- Designing Windows Applications in C#
- Introduction to Web Application
- Build a Microsoft ASP.NET object-oriented Web application using C#, ADO.NET
- Use of Language Integrated Query (LINQ)
- Use of AJAX in ASP.Net
- Produce ASP.NET programs using multilayer architectures and implement web applications using web forms, including programs that interact with databases

### Course Contents

The course would cover the topics as noted below. There would be hands on sessions at appropriate junction points to elaborate and understand the concepts:

- Introduction to OOP & Basics of C#
- Object Oriented Implementation using C#
- Collections & Exception handling in C#
- Delegates & Events Handling in C#
- I/O Programming & Reflection in C#
- ADO.NET (Database Programming using C# & SQL Server)
- Designing Windows Applications in C# (GUI Programming)
- DOT NET Interoperability & Deployment
- IIS and Introduction to Web Application
- Styling and Scripting
- Overview of ASP.NET
- Using ADO.Net and LINQ in ASP.NET
- Grids, Master Pages and Navigation
- Caching, Tracing, Managing State and Configurations in ASP.NET
- AJAX in ASP.NET
- XML Controls and Web Services
- Project work assistance

#### Note:

- ❖ The course includes opportunity to apply the concepts learned during the course in real life project environment