ASP.NET Using C#
(Visual Studio 2017)

Visual Studio 2017

Course Description:

◆ This course provides a comprehensive and practical hands-on introduction to developing Web applications using ASP.NET and Visual Studio 2017. It includes an introduction to ASP.NET MVC, a newer Web programming framework that incorporates use of the Model-View-Controller (MVC) pattern.

◆ The architecture of ASP.NET will outlined, including the role of compilation, the Page class and code-behind.

◆ Visual Studio 2017 will used to simplify the development of ASP.NET Web applications, including facilitating UI design. ASP.NET Web applications a will recovered, including issues of application and session state and the use of cookies. Also Additional server controls will introduced.

Target Group:

◆ Developers and specialists responsible for Web applications in a Microsoft environment.

Prerequisite:

◆ Object-oriented programming (OOP) and languages

◆ Web development (HTML, CSS, JavaScript)

◆ Relational databases

◆ N-tier architecture

Course Contents:

1. Introduction to ASP.NET
2. Web Forms Architecture
3. ASP.NET and HTTP
4. Web Applications Using Visual Studio
5. State Management and Web Applications
6. Server Controls
7. Caching in ASP.NET
8. ASP.NET Configuration and Security Fundamentals
9. Debugging, Diagnostics and Error Handling
10. More Server Controls
11. ADO.NET and LINQ
12. Data Controls and Data Binding
13. ASP.NET AJAX
14. ASP.NET MVC
15. ASP.NET Web API
16. ASP.NET and Azure

Microsoft® .NET

60 Hours