

VISUAL STUDIO 2015

Duration :

- 1. C# .Net(Framework(4.5)**
- 2. Asp.Net(Framework(4.5)**
- 3. Asp.net(MVC 6.0)**

MODULE 1 C#.NET

.Net Training Course Objective

- Learn the fundamentals of C# programming in Visual Studio.
- Using .Net Framework
- Working with variables, data types
- Work with standard programming skills
- Exception Handling in C#
- Object oriented programming in C#
- Object oriented techniques
- Working with Arrays
- Create Generic classes and methods.
- Collections in C#
- Generate and test your own classes using the Class Designer and Object Test Bench tools.
- Use delegate types to provide flexibility and type safety.
- Use anonymous types, lambda expressions, extension methods, object initializers, and implicit type declarations

C# Syllabus MS.NET Framework

- The .NET Framework - an Overview
- Framework Components
- Framework Versions
- Types of Applications which can be developed using MS.NET
- MS.NET Base Class Library
- MS.NET Namespaces
- MSIL / Metadata and PE files.
- The Common Language Runtime (CLR)
- Managed Code
- MS.NET Memory Management / Garbage Collection
- Common Type System (CTS)
- Common Language Specification (CLS)

- Types of JIT Compilers
- Security Manager

MODULE 2 ASP.NET

Introduction to ASP.NET

- From ASP to ASP.NET
- Web Forms
- Web Services
- ASP.NET Features

Web Forms Architecture

- Page Class
- Web Forms Life Cycle
- Web Forms Event Model
- Code-Behind

ASP.NET and HTTP

- Request/Response Programming
- HttpRequest Class
- HTTP Collections
- HttpResponse Class
- Redirection
- HttpUtility Class

Web Applications Using Visual Studio

- Using Visual Web Developer
- Visual Studio Forms Designer
- Using Components
- Shadow Copying
- Using the Global.asax File

State Management and Web Applications

- Session State
- Application State
- Multithreading Issues
- Cookies

Server Controls

- Web Forms Server Controls
- Rich Controls
- Validation Controls
- User Controls

Caching in ASP.NET

- What Is Caching
- Page-Level Caching
- Page Fragment Caching
- Optimizing Your ASP.NET Application
- Application Caching

ASP.NET Configuration and Security Fundamentals

- Configuration Overview
- Authentication and Authorization
- Forms Authentication
- Windows Authentication
- Security and ASP.NET

Debugging, Diagnostics and Error Handling

- Debugging
- Application Tracing
- Page Tracing
- Error Handling

More Server Controls

- Most recent ASP.NET Controls
- Menus
- Master Pages

ADO.NET and LINQ

- NET Data Providers
- Connections
- Commands
- DataReaders and Connected Access
- Data Sets and Disconnected Access
- Language Integrated Query

Data Access in ASP.NET

- Data Source Controls
- Connection String Storage
- GridView
- DetailsView
- FormView
- Object Data Sources

- ListView
- DataPager
- LinqDataSource

Personalization and Security

- Configuration Overview
- Themes
- Skins
- Security in ASP.NET
- Membership and Roles
- Login Controls
- User Profiles

Introduction to ASP.NET AJAX

- Rich Client Applications
- AJAX
- ScriptManager
- UpdatePanel
- AJAX Client Library
- Remote Method Calls
- AJAX Control Toolkit

Module 3 MVC 6.0 in .Net

- ASP.NET Core MVC in Context
- Your First MVC Application
- The MVC Pattern, Projects, and Conventions
- Essential C# Features
- Working with Razor
- Working with Visual Studio
- Unit Testing MVC Applications
- SportsStore: A Real Application
- SportsStore: Navigation
- SportsStore: Completing the Cart
- SportsStore: Administration
- SportsStore: Security and Deployment
- Working with Visual Studio Code
- Configuring Applications
- URL Routing
- Advanced Routing Features
- Controllers and Actions
- Dependency Injection
- Filters
- API Controllers
- Views
- View Components
- Understanding Tag Helpers
- Using the Form Tag Helpers
- Using the Other Built-in Tag Helpers
- Model Binding
- Model Validation
- Getting Started with Identity
- Applying ASP.NET Core Identity
- Advanced ASP.NET Core Identity
- Model Conventions and Action Constraints

203, RATNMANI BLDG, DADA PATIL WADI, OPP ICICI ATM, THANE WEST

Web : www.nettechindia.com Phone : 9870803004/ 5