

ASP.NET:

ASP.NET is a web application framework developed by Microsoft. It allows programmers to build dynamic web sites. It also allows using a full featured programming language such as C# or VB.NET to build web applications easily.

ASP.NET is a framework used for developing dynamic web applications. The languages which support to ASP.Net like VB.Net, C#, Jscript.Net, etc. The programming logic and content will be developed separately in Microsoft Asp.Net.

Architecture of .Net Framework:

- **Language** – different languages exists for .net framework. They are VB.net and C#. These can be used to develop web applications.
- **Library** - The Framework of .NET includes a collection of ordinary category libraries. The foremost common library used for internet applications in .net is that the internet library. The online library has all the mandatory parts accustomed develop.Net web-based applications.
- **Common Language Runtime** - The Common Language Infrastructure or CLI could be a platform. .Net programs square measure dead on this platform. The CLR is employed for performing arts key activities. Activities embrace Exception handling and garbage pickup.

Programming models:

- ASP.NET Web Forms
- ASP.NET MVC
- ASP.NET Web Pages
- ASP.NET Web API
- ASP.NET Web Hooks
- Other ASP.NET extensions include
- SignalR
- ASP.NET Handler

Course Content:

ASP .NET Online Training Concepts:

Introduction:

- A Review of Classic ASP
- ASP.NET Web Applications
- Rendering HTML with Server Controls
- Data Binding in ASP.NET
- Web Development Using Visual Studio

- Working with Controls

Introduction to Web Controls:

- Simple Input Controls
- Hyperlink and Button Controls
- List Controls
- Controlling Focus
- Accessing Data

Overview of ADO.NET:

- Connecting to Data
- Executing Commands
- Working with Data
- Choosing an ADO.NET Provider
- LINQ

Language Integrated Query:

- LINQ Syntax
- LINQ to SQL

- LINQ to Datasets
- LINQ to XML

Configuration:

- Configuration Overview
- Using the Web Site Administration Tool
- Programming Configuration Files
- Encrypting Configuration Sections
- Data Binding

Introducing Data Source Controls:

- Reading and Write Data Using the Sql Data Source Control
- Displaying and Editing Middle-Tier Data using the Object Data Source Control
- Displaying XML Data Using the Xml Data Source Control
- Validating User Input

Overview of ASP.NET Validation Controls:

- Using the Simple Validators
- Using the Complex Validators

- Summarizing Results with the Validation Summary Control
- Separating Validation into Validation Groups

Css:

- Introducing Cascading Style Sheets
- Investigating Styles
- Using Visual Studio 2008's Tools for Working with Styles
- Themes and Master Pages

Creating a Consistent Web Site:

- ASP.NET
- Themes
- Master Pages
- Site Navigation

ASP.NET Web Site Navigation:

- Creating an XML Site Map File
- Site Navigation Controls

- Using the Site Navigation API
- URL Mapping
- Security Trimming
- Displaying Data with the Grid View Control

Introducing the Grid View Control:

- Filter Data in the Grid View Control
- Allow Users to Select from a Drop Down List in the Grid
- Add a Hyperlink to the Grid
- Deleting a Row and Handling Errors
- Managing State

Conditional statements:

- Preserving State in Web Applications
- Page-Level State
- Using Cookies to Preserve State
- ASP.NET Session State
- Storing Objects in Session State

- Configuring Session State
- Setting Up an Out-of-Process State Server
- Session State in SQL Server
- Using Cookie less Session IDs
- Application State
- Managing Users with ASP.NET's Membership Features

Introduction to Membership and Roles:

- Using Membership Controls
- Writing Code to Interact with Membership and Roles
- Server Debugging

Server-Side Code Debugging in ASP.NET:

- Using the Visual Debugger
- Debugging Exceptions and Handling Errors
- Debugging Stored Procedures
- Client-Side and Advanced Debugging

Client-side Code Debugging in ASP.NET:

- Debugging Client-Side JavaScript
- Custom Data Visualizers
- Debugging .NET Framework Source Code
- ASP.NET Tracing

Page-level Tracing:

- Programmatic Tracing
- Web Config
- Diagnostics Trace
- Trace Viewer
- Listeners and Trace Switches
- Webpage Trace Listener
- Monitor Application Health
- Creating New Controls

User-defined Controls:

- User Controls

- Custom Controls
- Improving Performance with Output Caching

Output Caching:

- Declarative Output Caching
- Cache Page Fragments with User Controls
- Dynamic Content in Cached Pages
- Set Caching Configuration Options
- Advanced Caching Techniques

Caching Features in ASP.NET:

- Configure Output Caching
- Expiration Policies
- Database Changes
- SQL Notifications for Cache Expiration

AJAX:

- Introduction to AJAX

- Server-side AJAX Works
- Controls in the AJAX Control Toolkit
- Explore Client-Side AJAX
- Using Data List and Repeater Controls

Repeater and Data List Controls:

- Templates and Styles
- Bind Data to the Repeater and Data List Controls
- Creating and Consuming Web Services

XML Web Service in Visual Studio:

- Test and Run Your Web Service
- Web Service From a .NET Client
- Explore the Windows Communication Foundation (WCF)
- Using the List View and Database Controls

List View Features:

- List View Design Support in Visual Studio

- Convert Static Pages to Dynamic Pages
- Implementing Paging in the List View Control
- Reading and Writing XML Using the XML DOM
- Reading and Writing XML Programmatically
- Important Classes in the System Xml Namespace
- Create XML Documents

ASP.NET Profile Features:

- Introduction to ASP.NET's Profile Features
- Create Profile Schema in Web.config
- Work With ASP.NET's Profile Object Programmatically
- Manage Anonymous Users and Their Profiles
- Build and Use a Custom Profile Provider
- Empowering User with Web Parts

Personalization Features:

- Web Part Server Controls
- Code to Control Web Parts



+17207384411
info@procareer.io

- Create Web Parts Controls
- ASP.NET Extensions

Features of ASP.NET Extensions:

- Deploy Web Applications
- Enable the Browser's Back Button With AJAX Pages
- ASP.NET Dynamic Data

Our learning methods include:

- Comprehensive course selection of Instructor-Led Training
- Logistical convenience and interactive classroom experience of Online Training
- Flexible pacing and instructor-guided support of Mentored Learning
- Self-paced convenience of Online ANYTIME

In addition:

- Interview preparation with mock interview drills
- Effective resume building
- Process of applying jobs at the right places



+17207384411
info@procareer.io

Reach us:

Call : +1 720 738 4411

Email ID: info@procareer.io

Website: <https://www.procareer.io/>

