



Shaping Talents



Shaping Future

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Become a Certified  
Technology Expert



ASP .NET  
TRAINING

## ASP .NET Training

### About EnhanceLearn

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EnhanceLearn offers you a complete career transition by providing training and placement programs for Students and Jobseekers looking for a Career Success. We provide best IT training and certification courses which is taken by professional certified experts. The training modules are designed as per the market requirement so that it helps student to conquer the Career Job Market and achieve their career goals with our placement assistance.



### About the ASP .NET Training Course

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EnhanceLearn is offering the comprehensive training for developing dynamic web sites using ASP.NET. In this course, you'll learn essential concepts to get started building web sites using ASP.NET. You will Build Dynamic Web Sites using ASP.NET, Work with ASP.NET Standard Controls, Learn How to Validate Data and use SQL Server as a Back-end Database to ASP.NET, etc. This course provides stepwise walk-throughs and coding demos that you are inspired to code along with to enhance the learning process. Get trained by EnhanceLearn to become a certified .NET Developer.

### Why take ASP .NET Training Course?

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Over the years, .Net has enhanced the capabilities of the development environment. By adding new technologies which are making the development easy and also providing dynamic functionality

Developers are in high demand thanks to the increasing popularity of e-commerce and mobile devices

The job growth is predicted to be 27% that is much faster than average.

According to indeed.com, the average salary for a .NET Developer is \$91,696 per year in the US.

ASP.NET framework is a top selected in government and financial institutions. These institutions need to their application running in a secure environment that happens to be a Windows environment.

Careers in Government, Finance, Energy, and Medical industries make up a large part of the economy. This has kept demand for ASP.NET developers at relatively consistent levels over the years.

Fast-track your career to take on more lucrative job roles and take your career to the next level.

If you are interested in joining EnhanceLearn's best Training and Placement Program team, please reach our team here:

## Course Content:

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### Module 1: Introduction to ASP.NET

- 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

### Module 2: Introduction to Web Controls

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

### Module 3: 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

### Module 4: Configuration

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

### Module 5: 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

### Module 6: Overview of ASP.NET Validation Controls

- Using the Simple Validations
- Using the Complex Validations
- Summarizing Results with the Validation Summary Control
- Separating Validation into Validation Groups

### Module 7: CSS

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

### Module 8: Creating a Consistent Web Site

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

### Module 9: 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

### Module 10: 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

### Module 11: Conditional statements

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

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## ASP .NET Training

- 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

### Module 12: Introduction to Membership and Roles

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

### Module 13: 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 Visualizes
- Debugging .NET Framework Source Code
- ASP.NET Tracing

### Module 14: Page-level Tracing

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

### Module 15: User-defined Controls

- User Controls
- Custom Controls
- Improving Performance with Output Caching

### Module 16: Output Caching

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

### Module 17: Caching Features in ASP.NET

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

### Module 18: AJAX

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

### Module 19: 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

### Module 20: 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

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- Important Classes in the System Xml Namespace
- Create XML Documents

### Module 21: 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
- Create Web Parts Controls
- ASP.NET Extensions

### Module 22: Features of ASP.NET Extensions

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

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