

## ASP.Net – 3 days



### Course Objectives

The goal of this course is to teach students how to create a simple ASP .NET application that delivers dynamic content to the Web.

At the end of the course, students will be able to:

- Create a Web form with server controls.
- Separate page code from content with code-behind pages, page controls, and components.
- Display dynamic data from a data source by using ADO .NET and data binding.
- Debug ASP .NET pages by using trace.

### Prerequisites

Before attending this course, Students should be able to:

- Create forms and tables in HTML.
- Write Microsoft Visual Basic® or Visual Basic Scripting Edition (VBScript) code.
- Create an ASP page.
- Retrieve data from a relational database using ADO.

### Exercises

This course is instructor led, involving the utilisation of examples and exercises in a workshop environment.

### Introduction to ASP.NET

- What is ASP.NET
- Introduction to Web Forms

### Using Web Controls

- Normal HTML Controls
- Server Controls
- User Controls

### Separating Code From Content

- Code Behind Classes
- Creating .NET classes

### Using Trace in ASP.NET

- Tracing A Single Page
- Tracing The Whole Application

### Cookies

- What is a Cookie
- Saving A Cookie
- Reading a Cookie

### Applications and Session

- What is an Application
- What is a Session
- State Management in ASP.NET

### Data Access (ADO.NET)

- Introduction to ADO.NET
- Connecting to a Database
- Using Data Commands
- Using Data Readers
- Data Adapters
- Data Sets
- Editing and Updating Data
- Data Views

### Introduction to Web Services

- What is a Web Service
- Creating A Web Service
- Consuming A Web Service

### Authenticating Users

- Authentication Overview
- Using Forms Authentication