



Certificate Course in ASP.NET

1. Introduction to .NET Framework

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- .NET Programming Framework
- VB.NET
- C# .NET
- CLR
- Class Library

2. C# .NET

- CLI & GUI
- Hello Word Example
- Data Type
- Variables
- Console Output/Input
- Conversion
- Decision Statements (if, Switch)
- Loops (for, while, do...while)
- Array (one dimensional, multi dimensional)
- Methods

3. C# OOPS Concepts

- Introduction to OOPS
- Classes & Objects
- Constructors
- Inheritance & Its types
- Polymorphism - Method Overloading & Overriding

4. Asp.Net Application

- Create simple web application
- Introduction to various Controls (Standard / HTML Controls)

5. Controls in Asp.Net

- Applying Standard Controls with properties and Methods (Label, Textbox, Button, RadioButton, Checkbox, FileUpload, LinkButton, Hyperlink, Image, Imagebutton)
- HTML Controls

6. Validation Controls

- RequiredFileldValidator
- RangeValidator
- CompareValidator
- RegularExpressionValidator
- CustomValidator
- ValidationSummary

7. State Management in ASP.NET

- Client side
- Server side
- Understanding Post Back in Web forms

8. Cookies, Application, Query String & Session Management

- Create, View & Delete

9. ADO.NET

- Introduction to ADO.NET
- Difference between connection oriented & connection less database connection
- Connection Object
- Command Object
- Data Adapter Object
- Data set Object
- Data Reader Object
- Creating Database & Managing Database in MS SQL Server
- Connecting Database in ASP.NET
- Binding Control With Database(Dropdownlist, Gridview, DataList)
- Creating CRUD Application with Database
- Implementing CRUD Application with classes and object
- Creating 3 - Tier Application in ASP.NET

10. Advanced Features of ASP.NET

- Sending Email using gmail account
- Creating Random password and generating OTP
- Sending SMS using Gateways
- Integration with ONLINE - PAYMENT Gateway - Paypal
- Encryption of Password in C# with algorithm
- Uploading Website on Server

11. Front End Design Tools

- Understanding of HTML Tags for Layouts
- Intro to CSS - Internal , Inline & External

- CSS properties & its implementation
- Introduction to JQuery & its application in websites
- Bootstrap Introduction
- Creating responsive themes

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