Mastering in Development using ASP DOT NET

Course description

This course designed to make you an expert in using MS.NET Framework and learn all that is required to create real Windows Application, World Wide Web applications/Sites and Web Services

Student Take away

- Study Material
- Learning stuff
- Sample project for practice

Mastering in Development using ASP DOT NET Online Training Curriculum

➢ C#.Net

Introduction

- Design Goals
- C# History and Features
- Advantages & Disadvantages

Language Basics

- Working with Console Applications
- Variables, Value Types& Reference Types
- String and object classes, Constants
- Type Casting, Boxing and Un-Boxing

C# Operators

- Introduction
- Arithmetic, Relational & Logical Operators
- Increment & Decrement
- Assignment & Compound Operator

Control Statements & Arrays

- Introduction
- If/else & Switch Statement
- Iteration statements
- Jump & return statements
- Arrays

Object -oriented Programming

- Introduction
- Class Fundamental

Object -oriented Programming continues...
- Working with data & methods
- Constructors & Types of Constructors
- Garbage collection
- 'This' keyword
- Access specifiers
- Method Overloading & Overloading Constructors
- Understanding static
- Properties & Indexers
- Inheritance
- Members Access & Inheritance
- Virtual and New keyword
- Virtual methods and Overriding
- Abstract and Sealed classes
- Understanding interfaces

Exception Handling
- Introduction
- Handling runtime errors
- Try, Catch, Finally and Throw blocks Assemblies

➢ ADO.Net

- Introduction
- Benefits of ADO.Net
- ADO.Net Architecture
- Connection Oriented Architecture
- Disconnected Oriented Architecture
- Connection to an ADO.Net Database
- Data Access Namespaces in ADO.Net
- Connections and Connection String
- Working with data reader object
- DML Operations
- Adding parameters to Commands
- Using Stored Procedures
- Working with Data sets & Data Adapter
- Data Grid
- Data Grid View add Columns, rows

➢ ASP.Net
- Introduction
- Advantages of ASP.Net
- ASP.Net Architecture
- Creating Websites
- Creating New Web application

- ➢ **ASP.Net** continues...
- Designing a webpage and Adding web Controls
- Writing Code behind Class & adding Event Handler

Working with Controls
- Introduction
- HTML Server Controls
- Web server Controls
- Debugging
- View State
- Event Handling
- List Controls

Validation Controls
- Introduction
- Client-side & Server-Side Validations
- Required field validator
- Compare field validator
- A Regular Expression validator State Management

Client-Side State management
- View State
- Query String
- Cookies
- Hidden Fields

Server-Side Management
- Application State
- Session State
- Application Pool
- Web User Controls
- ASP.Net Securities