

Dot Net Framework 3.5: Fundamentals of Microsoft ASP.NET Web Development

Duration: 75 Hours

What you will learn

This course is your first step towards success as a Dot Net professional, designed to give you a firm foundation in basic Dot Net framework. In this class, you'll learn how to install and maintain Dot Net framework, to develop web application. You will gain conceptual understanding of Dot Net Technologies and how its components work and interact with one another. You will also learn how to create a web application and window application in an effective and efficient manner including developing web service, application software's, database connectivity's and deploying Dot Net applications. The lesson topics are reinforced with structured hands-on practices. This course is designed to provide depth knowledge on Dot Net technologies, and to make you an expert on these technologies.

Learn To

Install Dot Net framework

Basic coding standards

Database connectivity

Application Development

Publishing Website/Web Application

Scope

Software Architect

Web application development

Web Application Developer

Technical consultant

Software Associate

Software Engineer

Prerequisites

Basic Programming Knowledge

Course Objectives

To understand;

Basic functioning in Dot Net Framework 3.5

Web & window application development

Database connectivity development

Deploying the Dot Net developed application.

Course Topics

Html

Introduction

Basic Tags Frameset

Table

List

Form Controls

Java Script

Introduction

Popup boxes

Data type conversion

Functions

Control Structure Date Functions

Validation

CSS

SQL

Introduction

DML DDL Functions

Group by, Having

Join

Stored

Web Programming Concepts

Introduction to Web Programming

Client/Server Technology

Understanding Web Server IIS

ASP.NET 3.5

Dot Net Framework

The Common Language Runtime

The Framework Class Library

Types of Websites

Intrinsic Objects in ASP.net

Language Syntax

Basic C# Syntax

Comments

Data types

Variables

Operators

Conditional Statements

Looping Structures

Functions

Exception Handling

Classes & Objects

Classes and Objects

Partial classes

Methods, Properties and Events

Constructors

Property Procedures

Enumerations

Reference vs. Value Types

Structures

Namespaces

Array & Collections

Arrays

Resizing Arrays

Array Lists & Hash Tables

Generic Collections

Web Form-Standard Controls

Control Class

Web Control Class

Buttons Text

Boxes Labels

Literals

Place Holders

Hidden Field Control

Image Buttons Image

Maps List Boxes

Dropdown lists

Bulleled Lists

Hyper Links Link Button

Check Boxes

Check Box Lists Radio Buttons

Radio Button Lists

Tables Panels

View Multiview

Calendar

Navigation Controls:

Tree View Control Menu

Control Site Map Path

Control Wizard Control

Validation Controls:

Required Field Validators

Comparison Validators

Range Validators

Regular Expression Validators

Custom Validators

Validation Summaries

Assignment Works

ADO.NET (Working with Database)

Overview of ADO.NET

Connection Object

Command Object

Data Readers

Data Sets & Data Adapters

Executenonquery, Execute scalar

Execute reader

Grid View

Data List Details View

State Management

Preserving State in Web Applications

Using Cookies to Preserve State

ASP.NET Session State

Application State

Master Pages & Themes

Simple Master Page

Nested Master Page

Configuring Master Page

Creating Themes

Applying Themes

Applying Style sheet

Uploading Files

Using File Upload Control

Setting the location and filename to upload the files

Upload the Files

Restricting the type and size of the Files

File I/O and Streams

Working with Directories and Files

Read and write file

Three Tier Architecture

Application Layer

Business Logic Layer

Data Link Layer