

Syllabus (Basic Course – ASP.NET 4.0)

ASP.NET - WEB APPLICATION DEVELOPMENT

Course Duration : 45 Days

Html

Introduction

Basic Tags Frameset

Table

List

Form Controls

JavaScript

Introduction

Popup boxes

Data type conversion

Functions

Control Structure Date Functions

Validation

CSS

SQL 2008

Introduction

DML DDL Functions

Group by, Having

Join

Stored Procedure , Functions and Triggers

Web Programming Concepts

Introduction to Web Programming

Client / Server Technology

Understanding Web Server IIS

ASP.NET 4.0

.NET Framework

The Common Language Runtime

The Framework Class Library

Garbage Collection

MSIL

Types of Websites

Intrinsic Objects in ASP.net

Language Syntax

Basic C# Syntax

Comments

Data Types

Variables

Operators

Conditional Statements

Looping Structures

Parallel Loops

Functions

Exception Handling

Classes & Objects

Classes and Objects

Partial Classes

Methods, Properties and Events

Constructors
Property Procedures
Enumerations
Reference vs. Value Types
Structures
Namespaces
Dynamic IL and Dynamic Language Runtime
Abstract Classes and Interfaces
The new Exception Handling in .Net 4.0

Arrays & Collections

Arrays
Resizing Arrays
ArrayLists & HashTables
Generic Collections

Web Form-

Web Control Class
Creating Web Forms Application
Handling Images
Navigating between Pages
Managing Server Controls
Server Control Events
Using HTML Controls
Using Data Controls

Navigation Controls:-

Tree View Control Menu

Control Site MapPath
Control Wizard Control

Validation Controls:-

ASP.net validation controls
Configuring validation controls

ADO.NET (Working with Database)

Overview of ADO.NET
Connection Object,
Command Object
Data Readers
Data Sets & Data Adapters
Using SQLDataSource

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 Stylesheet

Uploading Files

Using FileUpload 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

Assignment Works