

## **ASP.NET-WEB APPLICATION DEVELOPMENT**

### **Html**

Introduction  
Basic Tags Frameset  
Table  
List  
Form Controls

### **JavaScript**

Introduction  
Popup boxes  
Data type conversion  
Functions  
Control Structure Date Functions  
Validation  
CSS

### **SQL**

Introduction  
DML DDL Functions  
Group by, Having  
Join  
Stored Procedure

### **Web Programming Concepts**

Introduction to Web Programming  
Client / Server Technology  
Understanding Web Server IIS

### **ASP.NET 3.5**

.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

## **Arrays & Collections**

Arrays  
Resizing Arrays  
ArrayLists & HashTables  
Generic Collections

## **Web Form-Standard Controls (i)**

Control Class  
Web Control Class  
Buttons Text  
Boxes Labels  
Literals  
Place Holders  
Hidden Field Control  
Image Controls  
Image Buttons Image  
Maps List Boxes  
Dropdown Lists  
Bulleted Lists  
Hyper Links Link Buttons  
Check Boxes  
Check Box Lists Radio Buttons  
Radio Button Lists  
Tables Panels  
View Multiview  
Calender

## **Navigation Controls:-**

Tree View Control Menu  
Control Site MapPath  
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, Executescalar  
Executereader  
GridView  
DataList DetailsView

## **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