**ASP.Net**

**Introduction To Web Applications**

* Types of Applications - Desktop,web,Mobile and Service Oriented
* HTML
* Javascript
* CSS
* Webserver and its Purpose
* IIS Webserver and Configuring
* Virtual Directory and Physical Directory
* Webpage,Website,Webbrowser
* Static and Dynamic Webpages

**Introduction To ASP.Net**

* What is ASP.Net and How To Create ASP.Net Web Pages
* ASP.Net Execution Process
* Coding Techniques in ASP.Net
* Redirection Methods in ASP.Net
* Request and Response Objects
* ASP.Net page postback
* Client and Server side Controls
* Standard Web Server Controls

Textbox,Buttons,Labels,Listbox,

Dropdownlist,Checkbox,Radiobutton,

Checkboxlist,Radiobuttonlist,Image,

Linkbutton,Imagebutton,Hyperlink,

Multiview,calendar,Fileupload

**Validations**

* Types of Validations - Client Side and Server Side
* Validation Controls--- Required Field Validator,

Regular Expression Validator,Range Validator,Custom Validator,

Validation Summary ,Validation Groups.

**ADO.Net**

* Introduction to ADO.Net
* ADO.Net Data Providers

.SqlClient

.OracleClient

.OLEDB

.ODBC

* ADO.Net Architecture

.Connected Architecture

.Disconnected Architecture

* Creating Connection to Various Datasources
* Calling Stored Procedures using ADO.Net
* Web.config File and its use
* Data Bound Controls of ASP.Net

.Gridview

.DataList

.Repeater

.Listview

.Detailsview

.Formview

* **ASP.Net Page Life Cycle**
* **Configuration settings**

**.**Web.Config

.Machine.Config

* **State Management**
* What is state management?
* Client side state management techniques

.Cookies

.Query String

.ViewState

* Server side state management techniques

.Session state

.Configuring session in web.config file

.In process and out process sessions

.State server Mode

.SQL Server Mode

* Application state management

.Handling Session and Application events

* **Caching**

.Data Cache

.Page output Cache

.Partial page Cache

* **Security in ASP.Net**
* What is Authentication and Authorization
* Types of Authentication

.Windows

.Passport

.Forms

* Implementing Forms Authentication
* Configuring Forms Authentication in web.config file

.Forms Authentication class and its members

.Impersonation

* Implementing Security with Login controls
* Web Parts in ASP.Net
* **Master Pages**
* Introduction
* Creating Master Pages and Content pages
* Accessing Master page content from content page
* Dynamic Master pages
* **Themes**
* How to create themes and Apply Them
* Dynamic Themes
* Global Themes
* **ASP.Net AJAX**
* What is Ajax and Advantages Ajax
* Ajax Components
* Ajax Extensions
* AJAX Control Toolkit
* How to Install Ajax control toolkit
* Basic AJAX Extender Controls.
* **Three Tier Architecture Implementation**