CS – 26 Programming with ASP.NET

Unit : 1 - Framework & Web Contents Validation Controls

- Overview of Asp.NET Framework
- Client Server Architecture
- ASP.NET Life Cycle
- Application Web Servers
- Installation of IIS server
- Types of Files in Asp.NET
- Types of controls in Asp.NET
- Page Architecture
- Introduction to standard Controls (Buttons, Textbox, Checkbox, Lable, Panel, Listbox, Dropdownlist FileUpload , AdRotator,CheckBoxList, RadioButtonList , ImageMap,Wizard , Calendar)
- Running an Asp.Net Application, File Upload Control
- What is Validation?
- Client Side Validation
- Server Side Validation
    - Types (RequieredField Validator, Range Validator, CompareField Validator, RegularExpression Validator, Custom Validator, ValidationSummery Control)

Unit: 2 - Ajax and State Management

- Setting up Ajax
- ASP.NET Ajax Control Toolkit With Basic Control
- What is State?
- Why is it Required in Asp.Net?
- Client Side State Management
- Server Side State Management
- Various State Management Techniques
    - View State,
    - Query String,
    - Cookie,
    - Session State,
    - Application State

Unit : 3 - ADO.NET & Database

- Architecture of ADO.NET
- Connected Architecture
- DisConnected Architecture
- ADO.NET Classes (Connection, Command,
- DataReader, DataAdapter, DataSet, DataColumn, DataRow, DataConstraints, DataView etc.)
- The Gridview Control, The Repeater Control
- Binding Data to DataBound Controls,
- Diplaying Data in a webpage using SQLDataSource Control
- DataBinding Expressions

Unit : 4 – Master Pages, Theme Caching, Application Pages & Data

- What is Master Page ?
- Requirement Of a Master Page in an Asp.NET application
- Overview of CSS3
- Designing Website with Master Page, Theme and CSS
- Overview
- Page Output Caching
- Partial Page Caching, Absolute Cache Expiration
- Sliding Cache Expiration
- Data Caching.

Unit : 5 Working with XML ASP.NET Application Configuration & Deployment of Application

- Reading Datasets From XML
- Writing DataSets With XML
- WebServices (Introduction, HTTP, SOAP, UDDI,XML, Creating a Web Service)
- Introduction To Web.Config
- Common Configuration Sections
- AppSettings
- Tracing
- Custom Errors
- Authentication And Authorization
- Deployment of Application in web server

	Class Room	Seminar	Expert Talk	Test	Total
No. Of Lecture	**60**	**05**	**05**	**05**	**75**

Reference Books :
1) Asp.Net – Unleashed
2) Asp.Net – Wrox Publication
3) Programming With ASP.NET [ISBN: 978 - 81 - 909634 - 7 – 3] by Bharat & Company
4) Beginning.ASP.NET.3.5.in.C.Sharp.2008.From.Novice.to.Professional – Apress

Reference Website
1) https://www.tutorialspoint.com/asp.net/
2) https://www.guru99.com/asp-net-tutorial.html
3) https://www.javatpoint.com/asp-net-tutorial
4) https://www.w3schools.com/asp/
5) https://docs.microsoft.com/en-us/aspnet/tutorials
6) https://www.tutorialsteacher.com/core
7) https://www.tutorialsteacher.com/mvc/asp.net-mvc-tutorials
8) http://www.pragimtech.com/free-aspnet-video-tutorial.aspx
9) www.ajaxcontroltoolkit.net/
10) https://www.aspsnippets.com/Categories/AJAX-Control-Toolkit.aspx