

Asp.Net

4 Months

Overview of the ASP.NET

- Introduction of different Web Technology
- What is Asp.Net
- How Asp.Net Works
- Use of visual studio
- Different Languages used in Asp.Net.

Framework

- Common Language Runtime (CLR)
- .NET Framework Class Library.

Setting up and Installing ASP.NET

- Installing Internet Information Server
- Installation of Asp.Net
- virtual directory
- Application Setting in IIS.

Microsoft SQL Server 2008

- Overview of SQL Server 2008
- Installation of SQL Server 2008
- Features of SQL Server Express
- SQL Server 2008 Express management tools

Coding Standards

- Overview of coding standards follow during programming

HTML, CSS & JavaScript

- Basic of HTML, CSS and JavaScript

Asp.Net Standard Controls

- Displaying information
 - Label Controls
 - Literal Controls
 - Bulleted List

- **Accepting User Input**

- TextBox controls
- RadioButton and RadioButtonList Controls
- CheckBox and CheckBoxList Controls
- Button controls
- LinkButton Control
- ImageButton Control
- Using Hyperlink Control
- DropDownList
- ListBox

- **Displaying Images**

- Image Control
- Image Map Control
- Using Panel Control
- Using Hyperlink Control

Object Oriented Programming System

- Concept of Class and Object
- Working with Constructor and Destructor
- Encapsulation
- Inheritance
- Polymorphism
- Method overloading Get and Set Property

Asp.Net Validation Controls + Javascript Validation

- Required Field Validator Control
- Regular Expression Validator Control
- Compare Field Validator Control
- Range Validator Control
- Validation Summary Control
- Custom Validator Control

Designing Websites with master pages

- Creating master pages
- Creating default contents
- Nesting master pages
- Registering master pages in web configuration

Using the Rich Controls

- Accepting File Uploads
- Saving files to file system
- Calendar Control
- Displaying advertisements
- Displaying Different Page view
- Displaying a Tabbed Page View
- Wizard Control

SQL Server Basic

- Database Architecture
- Data Manipulation Language (DML)
- Data Definition Language (DDL)
- Manipulation of Data (SQL Command)
- Stored Procedure
- Function
- Trigger
- Views
- Cursor

Overview of Data Access

- Creating database connections
- Connecting to MSSQL Server and MS Access
- DataSet & DataTable Features
- Using inline SQL Statements
- Using Stored Procedures
- Executing select commands
- Sql Transaction
- Data Type and syntax Language Fundamentals
- Classes
- Namespaces
- Object Oriented Programming concepts
- Overview of Asp.Net inbuilt Classes and method
- File Handling

Using the Grid View Control

- Grid View Control fundamentals
- Displaying Data
- Using Data Keys
- Sorting Data
- Paging through Data

Using the Details View and Form View Controls

- Using the Details View control
- Displaying data with the DetailsView control
- Using Fields with the DetailsView control
- Displaying Empty data with the DetailsView control

Using Repeater and Data List Controls

- Using Repeater Control
- Displaying data with the Repeater Control
- Displaying Data with the Data List Control

Using Navigation Controls

- Understanding Site Maps
- Using the Sitemap Path Control
- Formatting the Sitemap Path Control
- Using the Menu Control
- Using Tree View Control

Working with XML and Web Services

- Overview of XML
- Creating /Reading/Deleting XML Files
- Web Services

Creating and using the Crystal Reports

- Overview to Crystal Reports
- Creating reports with Wizard
- Integrating reports with web applications
- Customizing the Report Viewer

Introduction to ADO.NET

- ADO vs. ADO.NET
- Type of ADO.NET operations
- System.Data
- System.Data.SqlClient
- System.Data.odbc
- System.Data.oledb
- Data Adapter
- Data Reader
- Working with DataTable and Dataset
- Creating DataTable dynamically
- DataColumn class
- DataRow class

- Adding new rows dynamically
- Working with Dataset
- Creating tables in Dataset
- Saving data in a Dataset
- ReadXML()
- WriteXML()
- DSN

AJAX (Asynchronous JavaScript and XML)

- About Ajax
- Setting up and implementing Ajax
- Creating AJAX enabled website
- Using Update Panel control
- Using Timer Control
- Using Password strength
- Using Autocomplete Extender
- Using Textbox watermark extender
- Using Calender extender

FTP Management

- Understanding FTP
- Setting up FTP Server (Live)
- Uploading and downloading FTP contents

Database programming with ADO.NET

- Database connectivity
- User registration
- User Login

Stored Procedures

- Creating stored procedures
- Altering the stored procedures

Data Binding

- Data binding concept
- GridView edit, update, delete, paging
- DataList
- Repeater
- Formview
- Using DataBinder.Eval () method with
- ExecuteNonQuery()

- ExecuteReader()
- Add()
- Passing parameter

Sending Emails

- Designing email panel
- How to send an email to various users
- Sending auto emails

Deployment

- Deploying application on Web Server

Live Project

- Getting customer's requirements
- Preparing database and business logics
- Developing application
- Testing and implementing the project
- Troubleshooting the project application after implementation