

## Asp.Net

### 4 Weeks

#### 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

#### 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

### **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

### **C#**

- Data Type and syntax Language Fundamentals
- Classes
- Namespaces
- Object Oriented Programming concepts
- Overview of Asp.Net inbuilt Classes and method
- File Handling

### **FTP Management**

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

### **Case Study**

#### **Minor Project**