

Microsoft .Net Module (Professional)

Duration – 4 Months

1. Asp.Net
2. C#
3. SQL Server
4. Live Project

1. Asp.net

Part – I

- a. .Net Framework
- b. .Net Application Architecture
 - 1) 2-Layered/ 2-Tier
 - 2) 3-Layered/ 3-Tier
 - 3) MVC
- c. Web UI
 1. HTML
 2. XHTML
 3. Cascade Style Sheet (CSS)
 4. JavaScript
 5. JQuery
- d. Asp.net
 1. Asp.net Introduction and Features
 2. Visual Studio 2008
 3. Web Forms
 - a. Page Processing
 - b. Page Event Modal
 - c. Page Life Cycle
 - d. Page Class and Objects
 - Request
 - Response
 - Server
 - User
 - Trace
 4. Server Controls
 - Label Control
 - Textbox Control
 - Button Control
 - Link Button
 - Image Button
 - List Box

- Bulleted List
- Ad Rotator
- Check Button
- Radio Button List
- MultiView
- SiteMapPath
- Panel
- Image Map
- Checkbox list
- Dropdown List
- Wizard Control
- Calendar
- File Upload
- Radio Button
- XML
- TreeView

5. Asp.net Applications
 - a. Validation Controls
 - b. Machine.Config ,Web.Config and Global.asax Files
 - c. Asp.net Directories
 - d. WAT
 - e. HTTP Handlers and HTTP Modules

6. State Management
 - ViewState
 - Session state
 - Querystring
 - Application
 - Cookies

Part – II

7. Ado.Net Fundamentals
 - Connection Object
 - DataAdapter Object
 - Command Object
 - DataReader Object
8. Data Components and Dataset
 - Dataset
 - DataView
 - DataTable
 - DataRow
9. Databinding
10. Rich data controls
 - a. DataGrid
 - b. Gridview
 - c. Formview
 - d. DetailView
 - e. DataList
 - f. Repeater
 - g. Listview
 - h. Datapager

Part – III

11. Cache and XML
12. File Stream
13. Master Pages, Themes and Skin Files

- 14. User Controls
- 15. Navigation Controls
- 16. Membership
- 17. Web Services
- 18. Ajax

2. Complete C# Language

- C# Introduction
- Literals
- Program Control Statements
- Arrays and Strings
- Operator Overloading
- Interface
- Structures
- Exception Handling
- Delegates and Events
- Namespace
- Assemblies
- Collections
- Unsafe Code and Pointers
- Data Types and Variables
- Operators
- Classes and Objects
- Methods and Classes
- Indexers and Properties
- Inheritance
- Enumerations
- Using I/O
- Lambda Expressions
- Preprocessor
- Reflection
- Generics

3. SQL Server

- DDL, DML and DCL
- Aggregate functions
- Order by clause
- Stored Procedures
- Views
- Sub queries
- Optimization
- Normalization
- Group by and Having
- Joins
- Triggers
- Cursors
- Full-Text Search

4. Live Project