Aceindus IT Training

ASP.NET

MICROSOFT TECHNOLOGIES .NET TRAINING

COURSE CONTENT:

VISUAL STUDIO 2008

1) ASP.NET 3.5
2) C#.NET 3.5

ASP.NET CONCEPTS: Duration: 25 Sessions

1. INTRO TO WEB TECHNOLOGIES

- A Review of classic ASP
- Client Side Scripting Languages
- IIS Architecture
- Server Side Scripting Languages
- Web Development using Visual Studio

2. ASP.NET INTRO

- What is ASP.Net
- Moving from ASP to ASP.Net
- Name Spaces and New Scenario
- In Page Techniques and Code Behind Techniques
- Web Pages to Web Forms

3. SERVER SIDE (ASP) CONTROLS

- Client Side vs. Server Side Controls
- HTML Server Controls
- Web Server Controls
- ASP.Net Page Execution Architecture
- Rich Controls & Controlling Focus

4. Validating User Input

- Overview of Asp.Net Validation Controls
- Using Simple & Complex validations

- Summarizing Results with ValidationSummaryControl

5. ASP.NET WEBFORMS

- Introduction to Web Forms
- Applying Styles to Controls,Themes,Skins
- Page Directives
- Using CSS Master pages Design

6. STATE MANAGEMENT

- Preserving State in Web Applications
- Page Submission & Cookies
- Session States & Tracking
- Application State

7. ADO.NET and Bound Controls in ASP.NET

- Introduction and Overview of ADO.Net
- Data Reader
- Data List
- Retrieve Data Using Data Set
- Repeater
- Data Source Controls
- SQL Data Source
- Bind Data to Drop Down List
- Form View and Details View
- Grid View – Paging, Sorting, Editing, Deleting etc.

8. Data Connections with Various Databases

- Connection with MS Access
- Oracle Connections
- SQL Server Connections
- Database Creation & Linking with UI

9. Data Binding

- Introducing Data Source Controls
- Reading and write Data using SqlDataSource Control
- ObjectDataSource Control Usage
- Displaying XML data using XmlDataSource Control

10. ASP.NET Error Handling & Debug

- Page Level Error Handling

- Application level Error Handling
- Debugging & Tracing

11. SECURITY IN ASP.NET

- Authentication & Authorization
- Windows,Forms,Password Authentication
- Authoring Users and Roles

12. SITE NAVIGATION

- Asp.Net Website Navigation
- Site Navigation Controls Usage
- Using Site Navigation API

13. AJAX Intro

- Introduction to AJAX
- Explaining Controls in Ajax Tool Kit.

14. WEB PARTS

- Web Part Manager
- Zone Types
- Content Web part
- Catalog Web parts
- Personalization Features using Web parts

15. ASP.NET Additional Concepts

- Web Services Intro. and XML Services
- Working with Master Pages
- Crystal Reports Introduction.

C#.NET CONCEPTS
Duration: 15 Sessions

1. INTRODUCION TO .NET

- Net Frame Work
- Features of Net
- Common Type System (CTS)
- Common Language Specifications(CLS)
- Common Language Runtime(CLR)
- Microsoft Intermediate Language (MSIL)
- Garbage Collection

2. C#.Net BASICS

- Data Types
- Type Conversions
- Methods in C#
- Structures, Enumerations
- Strings

3. Branching & Flow Control

- Looping
- Conditional Branching
- Repeating Code Blocks
- Unconditional Branching

4. Object Oriented Programming

- OOPS Concepts
- Constructor and Destructor
- Method Overloading and Overriding
- Abstract Classes and Methods
- Name Spaces
- Working with Arrays

5. Exception Handling

- Structured Error Handling
- System Defined Exceptions
- Custom Exceptions
- Try , Catch , Finally

6. Delegates and Events, Generics

- Introducing delegates
- Working with Events
- Introducing Generics
- Generics and Arrays

7. Database Programming (ADO.NET)

- Introduction and Overview of ADO.Net
- Data Providers in .Net
- Data Reader and Data List
- Retrieve Data Using Data Set
- Connection Pooling
- Data Grid View with DML operations

8. GUI Application Development

- Windows forms and Controls
- Creating Menus
- Toolbars
- Tree view, List view
- Programming with Adv. Controls

9. .NET Components, Dll's & Usage

Note:

- Complete Duration: 40 Sessions.
- Each Session Carries One and Half an Hour.

```
Ace Indus Tech-Sol India Pvt. Ltd,
 Plot # 21,Flat #203,Techno Residency,
Opp: Mind Space(Raheja IT Park),Madhapur,

     Hyderabad,TS-500081,India
```