

Aceindus IT Training

ASP.NET Microsoft Technologies .Net Training

Course Content:

Visual Studio 2015/2017

1. ASP.Net 4.5
2. C# 4.5

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 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 WEB FORMS

- 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

C# CONCEPTS: Duration 15 Sessions

1. INTRODUCTION 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# 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

- Overview Delegates
- Using Delegates
- Multicast Delegates
- Overview Events

- About Generics
- Generic Classes
- Generic Methods

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

**Ace Indus Tech-Sol India Pvt. Ltd,
Plot # 21, Flat #203, Techno Residency,
Opp: Mind Space(Raheja IT Park), Madhapur,
Hyderabad, TS-500081, India**