

**COMPREHENSIVE, HANDS-ON
ONE-ON-ONE TRAINING
ASP.NET VER. 2003**

COURSE OUTLINE

Time: 40hrs / 10 sessions / 4 hours per session

- 1. ASP.NET NAMESPACE**
 - A. reviewing the functions of namespaces
 - B. using the Microsoft visual basic namespace
 - C. understanding the root namespace
- 2. ASP.NET SERVER CONTROLS**
 - A. features of Asp.Net server controls
 - B. Server side processing in ASP.Net
 - C. Code behind versus inpage coding
 - D. Using html server controls
 - E. Using Asp.net server controls
 - F. Creating customs Asp server control
- 3. CONFIGURING ASP.NET**
 - A. Overview of ASP.Net configuration file
 - B. Uses for a configuration file
 - C. Anatomy of a configuration file
- 4. UNDERSTANDING ASP.NET APPLICATIONS**
 - A. Managing State
 - B. Analyzing Global.asax
 - C. Analyzing application state
 - D. Using application events
 - E. Understanding session state
 - F. Configuring Sessions
 - G. Using Session events
 - H. Comparing application and session states
- 5. ACCESSING DATA WITH ASP.NET**
 - A. introduction to relational database
 - B. System.data Namespace
 - C. Ado.Net approach to Accessing Data
- 6. OPTIMIZING CACHING METHODS**
 - A. Caching overview
 - B. Output Caching
 - C. Fragment Caching
 - D. Data caching
 - E. Best use of caching
- 7. INTRODUCTION TO XML**
 - A. overview of XML
 - B. Processing XML document using .NET
 - C. Exploring XML object model
 - D. Working with XML and Databases
- 8. DEBUGGING ASP.NET APPLICATIONS**
 - A. Handling Errors
 - B. Page Tracing
 - C. Application Tracing
 - D. Using Visula studio.nEt debugging tools
- 9. XML WEB SERVICES**
 - A. understanding web services
 - B. Using Xml in web service
 - C. Overview of System.Web.Services namespace
 - D. Type marshalling

ASP.NET
2003

10. SECURITY

- A. Planning Security
 - 1. Asp.Net Security
 - 2. Database Security
 - 3. Asp.Net Authentication
 - 4. Authorization
- B. Authentication
 - 1. Overview
 - 2. Allow/Deny
 - 3. Retrieve Identity
 - 4. Coding Windows Security
- C. Form Based Security
 - 1. Setting Up
 - 2. Web.Config
 - 3. Login.Aspx
 - 4. Password
 - 5. Encryption
 - 6. Password Hashing
 - 7. Xml Userlist
 - 8. Processing Xml File
- D. Database Form Based Security
 - 1. Overview
 - 2. Validate User
 - 3. Manage Password Access
 - 4. Setup Web.Config
 - 5. Login.Aspx
 - 6. Change Password
 - 7. Encryption
- E. Security And Web Services
 - 1. Passport Authentication
 - 2. Seucrity Web Service
 - 3. Soap Headers

ASP.NET 2003

11. DEPLOYING APPLICATIONS

- A. CONCEPTS
 - Assemblies
 - Asp.net process
 - multiple versions
 - deploy project
 - View Deployment plan
- B. CREATE WEB SETUP PROJECTS
 - Amend Solution
 - Add Project Output
 - Application Properties
 - Installer
 - Test
 - Update Runnign App
- C. ADVANCE SETUP OPTIONS
 - Additional Editors
 - Special Folders
 - Web Custom Folder

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12. MICROSOFT MOBILE INTERNET TOOLKIT

- A. OVERVIEW
 - Differing Standards
 - MMIT Features
 - Mobile Pages
 - Mmit Operations
 - Design Web
 - Build Web Form
 - Pocket Pc Emulator

