**.Net Training**
Duration: 50 Hours (15 Sessions)
Pre-requisites: Knowledge of Computer, Windows OS,

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CONFIGURING, DEBUGGING & DEPLOYING Session
**Finalize, Dispose & Garbage collectors**

**Session 5: ASP.NET Programming Server Controls**
- Processing of web pages
- Server control hierarchy
- Web controls
- Buttons, list controls, text boxes, hyperlinks
- HTML controls
- HTML anchor, button

**Structure of an ASP.NET Page ASP.NET**

**Programming Validation Controls**
- Required field validation
- Regular expression
- Range validation...

**Identifying the Different Types of Data**

**Session 6: Binding**
- Introduction to data binding
- Single value data binding
- Multi record data binding
- Custom binding

**Session 7: ASP.NET Programming with ADO.NET**
- Introduction of ADO.NET
- Features of ADO.NET
- Differentiation between ADO & ADO.NET
- ADO.NET namespace
- Connected architecture through ADO.NET
- Disconnected architecture through ADO.NET
- Working with transaction in ASP.NET etc

**Session 8: ASP.NET Application**
- Configuration overview
- Structure of configuration file
- Configuration section
- Tracking and debugging an application
- Deploying an application

**Session 9: Exceptional Handling, Managing**

**State and Security ASP.NET Web Application**
- Introduction state management in ASP.NET
- Sending E-mail from ASP.NET page
- Securing ASP.NET application

**Session 10: C# Language Basics**
- Data types
- Type conversion
- Boxing & unboxing
- Conditional statements
- Looping
- Methods in C#
- Properties
- Arrays
- Indexes
- Structures, enumerations
- Strings
- Regular expressions
- Collections

**Pointers**
- Value types, reference types
- Unsafe

**Assemblies**
- Introduction to Assemblies
- Benefits
- Contents
- Application-Private Assemblies
- Private vs Shared Assemblies
Session 11: USING XML & SEARCH TOOLS IN ASP.NET
- Working with XML server controls in ASP.NET
- Binding XML data to web forms controls
- Connecting relational data to an XML document

MEMORY MANAGEMENT
- Garbage collector
- Stack and heap
- Architecture of GC
- Generations
- M.M. support classes

OBJECT ORIENTED PROGRAMMING

Session 12: CONCEPTS & EXCEPTION HANDLING
- System defined exceptions
- Custom exceptions
- Try, catch, finally
- Throwing exceptions

OPERATOR OVERLOADING
- Unary operators
- Binary operators

Session 13: GUI APPLICATION PROGRAMMING
- Introduction to system windows, forms
- Basic controls and events driven programming
- Advanced controls
- Rich text box, toolbars
- Working with context menus
- Built in dialog boxes

DATA BASE PROGRAMMING
- Introduction of ADO.NET

Session 14: DELEGATES AND EVENT HANDLING
- Introduction to Delegate Concept
- Event handling Arch with Delegate
- Handles, Add Handler and Remove Handler
- Multi Cast Delegates
- Generic Routines
- Function Pointers

Session 15: MULTITHREADING
- Thread Class
- Thread Synchronization
- Creating and controlling Threads
- Sleep, Suspend and Resume Threading

Session 16: CREATING & USING WEB SERVICES
- Introduction to Web Services
- Creating Web Service
- Using Web service in a Windows Application
- Working with Window Services
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Generics

For more information, call us on 435 610 1777/385 743 0999 or E-mail us at info@mindsmapped.com