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| Name | Microsoft .Net Framework 2.0 |
| Duration | 3 Days |
| Objective | To enable participants to learn and develop Applications for the Microsoft .NET 2.0 Platform using visual studio 2005 |
| Participants' Entry Profile | Development experience on .Net framework Basic web service development using c# or vb .net XML and usages in .net ADO .Net |
| Setup Requirements | |
| Hardware and Software Requirements | Hardware Intel Pentium 4 [2 + GHz recommended] 512 MB RAM [1 GB recommended] LAN connectivity Software WINDOWS 2003 server IIS 6 Microsoft SQL server 2005 Microsoft visual studio .net 2005 MSDN for .net |
| Training Lab Requirements | Whiteboard Whiteboard markers – Red, Blue, Green, Black Video Projector |

Course Contents

Day 1

- **C# 2.0 enhancements**
 - Generics
 - Anonymous Method
 - Nullable type
 - Iterators
 - Partial type

- **Windows form enhancements**
 - Enhance design Time support
 - New Control and component
 - Web browser control
 - Tool strip controls
 - New Layout Controls

- **New Data binding Model and Features**
 - Accessing data in visual studio 2005
 - Data sources window
 - Examining the DataGridView

- Strongly typed datasets
- Strongly type DataAdapters
- RAD Data binding in windows forms

Day 2

- **Building data-driven ASP .Net 2.0 Application using Visual Studio 2005**
 - Simplified data binding
 - Data source controls
 - GridView and DetailsView Controls
 - Editing with GridView and DetailsView controls
 - Caching
 - SQL Cache dependency
 - Cache configuration

- **Managing Look and Feel with Visual Studio 2005 and ASP .Net 2.0**
 - Master Pages
 - Master Pages and Content pages
 - Accessing controls defined in master pages
 - Themes and Skins
 - Applying themes
 - Global themes vs. local themes
 - Themes and Skins definitions

- **Membership and Role Management with Visual Studio 2005 and ASP .Net 2.0 for building Secure Application**
 - Membership Service
 - Membership API
 - Membership Providers
 - Login Controls
 - Role Management Service
 - Roles Class
 - Role Caching
 - Role providers

- **Managing Profiles in ASP .Net 2.0 and Localizing ASP .Net 2.0 Application**
 - Profiles and Profile Groups
 - Using Custom Data types in profiles
 - Profiles and Anonymous users
 - In Localization – Auto culture Handling
 - Declarative resource loading

Day 3

- **Using New Navigation controls in visual studio 2005 and ASP .Net 2.0**
 - Navigation Controls – Tree View Control and Menu Controls
 - Site Maps – XML Site Maps and SiteMapDataSource Controls
 - SiteMapPath Control

- **Extending ASP .Net 2.0 with Provider Model**
 - Provider design Pattern
 - The Provider Model
 - Provider Registration
 - The Provider Base Classes

- **Using Pluggable Business Logic Layer (BLL)**
- **Adding Data Access Layer (DAL)**

- **Administration and Management with ASP .Net 2.0**
 - **Administrative Tool**
 - ASP .Net MMC Snap in
 - Web Site Administration tools

 - **Configuration API**
 - Read / Write Access to configuration settings
 - Simplified custom configuration sections