

Globe Training Centre – (GTC)

Programming with ADO.NET

(Curriculum)

Training Objective: This course will teach developers to build data-centric applications and Web services with Microsoft ADO.NET, Microsoft SQL Server 2000/2005, and the Microsoft .NET Framework.

Training Outcome: At successful completion participants will be able to develop data-centric applications based on the .NET framework.

Content:

- **Introduction**
 - Designing of Data-Centric Applications
 - ADO.NET Architecture
 - ADO.NET and XML

- **Connecting to Data Sources**
 - Selecting a .NET Data Provider
 - Defining a Connection
 - Managing a Connection
 - Handling Connection Exceptions
 - Connection Pooling

- **Performing Connected Database Operations**
 - Building Command Objects
 - Executing Commands – Return single and raw values
 - Using Transactions

- **Building DataSets**
 - Building DataSets and Data Tables
 - Building and Saving DataSets
 - Defining Data Relationships
 - Modifying Data in a Table
 - Sorting and Filtering

- **Reading and Writing XML with ADO.NET**
 - Loading Schemas and Data into DataSets
 - Writing XML from a DataSet

(Continue...)

Content: *(Continued)*

- **Building DataSets from existing Data Sources**
 - Configuring a DataAdapter to Retrieve Information
 - Populating a DataSet using a DataAdapter
 - Persisting Changes to a Data Source

- **Building and Consuming a Web Service that uses a ADO.NET**

Training Method: Instructor led practical sessions, and assignments.

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| Duration: | 04 Days (08:30 a.m. – 04:30 p.m.) |
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