

# Globe Training Centre – (GTC)

## Programming with VB.NET

### (Curriculum)

**Training Objective:** Enable rapid application development skills through object based and object oriented programming.

**Training Outcome:** At successful completion participants will be able to use Microsoft Visual studio 2005 for VB.NET programming with ADO.NET functionalities. Trainees will also gain necessary skill and techniques for distribution application development on .NET frame work.

**Pre-requisites:** We expect that participants have at least basic understanding and awareness of SQL data manipulation skills.

#### **Content:**

- **Introduction to Object Oriented Programming (OOP)**
- **Understanding the Microsoft .NET frame work and features**
  
- **Visual Studio 2005 Development Environment Features**
  - Describing the Integrated Development Environment
  - Creating Visual Basic .NET Projects
  - Using Development Environment Features
  - Debugging Applications
  - Compiling in Visual Basic .NET
  
- **VB.NET Language Basics**
  - Data Types
  - Using Variables
  - Simple Data Structures
  - Functions, Subroutines, and Properties
  - Exception Handling
  
- **Using Windows Forms**
  - Why Use Windows Forms?
  - Structure of Windows Forms
  - Using Windows Forms
  - Using Windows Common Controls
  - Using Windows Dialog Controls
  - Creating Menus
  - Windows Forms Inheritance

*(Continue...)*

**Content:** *(continued)*

- **Classes and Objects**
  - Defining Classes
  - Creating and Destroying Objects
  - Inheritance
  - Interfaces
  - Working with Classes
  
- **Database Programming with SQL Server and ADO.NET**
  - ADO.NET Data Namespaces
  - The SqlConnection Class
  - SqlCommand
  - SqlDataAdapter
  - The DataSet Class
  - DataView
  - Data Binding

**Training Method:** Instructor led practical sessions, assignments, and evaluations.

<b>Duration:</b>	<b>05 Days (08:30 a.m. – 05:00 p.m.)</b>
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