COURSE OUTLINES

VB.Net

Learning outcomes:

At the end of the course the participant will
- ✓ Understand .NET Framework and describe some of the major enhancements to the new version of Visual Basic.
- ✓ Describe the basic structure of a Visual Basic.NET project and use main features of the integrated development environment (IDE)
- ✓ Create applications using Microsoft Windows® Forms
- ✓ Create applications that use ADO. NET
- ✓ Working with XML Documents
- ✓ Using Crystal Reports

Course Contents:

- ❑ Introduction to Visual Basic Programming
- ❑ The Visual Basic Language Essentials
  - ➢ Data Types
  - ➢ Control Statements
- ❑ Procedures, Functions and Event Handlers
  - ➢ Exceptions and Validations
  - ➢ Arrays and Collections
  - ➢ Windows Forms, and Controls
- ❑ Dialogs Boxes
- ❑ Object Oriented Programming
  - ➢ Creating and Using Classes
  - ➢ Inheritance
  - ➢ Polymorphism
  - ➢ Overloading, Overriding
  - ➢ Interfaces and Namespaces
- ❑ Database Programming
  - ➢ Data Sources
  - ➢ Using ADO.Net
  - ➢ Dataset, Data Reader, Data Grids
- ❑ Reading and Writing Files, XML Documents
- ❑ Boxing and unBoxing
- ❑ Methods ,Sub Procedures ,Functions
- ❑ Working with Windows Forms

- Working with Multiple Forms
- Using Visual Basic Controls
- Handling Mouse Events in Forms
- MDI Applications
- Debugging VB .NET Applications
- User Interface Design Principles
- Working various VB.net Controls
- Working with Menus
- Context Menus
- Common Dialogs
- Date TimePicker, Month Calendar, Splitter
- Using the StatusBar
- User Interfaces and Deployments
- Debugging Applications
- Generating Reports using Crystal Report