

# Microsoft vb dot net



## Course curriculum

### Overview of Microsoft .NET

- Disadvantages of the existing system
- Why .NET came into picture
- .NET Framework Architecture
- Various components used in .NET Framework
- Understand Basics of the functionality of CLR
- MSIL, CLS, CTS in brief
- Various .NET languages
- Versions of .NET Framework

### Basic Introduction to Visual Basic .NET

- Types of Operators
- Conditional statements and loops in VB.NET
- Working with Arrays
- Data types in VB.NET
- Boxing and Unboxing
- How to make Sub Programs?
- Understand OOPS Concepts

### More on VB.NET Language Constructs

- What is a Class?
- Member Functions and Data Members
- Understand Access Specifiers
- Properties of a class
- What is Method Overloading?
- What are Constructors?
- Understand Shared Modifiers

### Inheritance in VB .NET

- Types of Inheritance

- Working with Interfaces?
- Abstract classes
- Understand Overloading and Overriding
- Concept of Polymorphism
- What are Sealed classes?

### Exception Handling

- What is Exception?
- How Try, Catch and Finally work in a program
- User-defined exceptions
- Debugging the Application

### Data Access with ADO .NET

- Introduction to Data Access Libraries
- ADO .NET managed data providers
- How to use System.Data.OleDb namespace?
- Connected Architecture through DataAdapter and Dataset
- Invoking the stored procedures

### Windows Programming

- Using various GUI Controls
- Concept of Multithreading
- Understand Delegates and Events

### Distributed Application Development

- What is Remoting Architecture?
- Hands-on Remoting

### Managed code and Unmanaged code

- Using Runtime Callable Wrapper(RCW)
- Using COM Callable Wrapper(CCW)

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