

# Certificate in VB.Net

**Course Code :** CR-03

**Eligibility :** 10<sup>th</sup>

**Duration :** 4 Months

**Introduction To .NET Framework** :- What is .NET , Latest Features of VS.NET , Components of .NET , CLR , MSIL , JIT , Assemblies , Class Libraries , What is New in .NET , Shared IDE , Types of Projects , Winform IDE , Components of VS , Event Driven Programming , Introduction To VB.NET

**Working With Forms** :- Projects , Win/Web Forms , Properties of Forms , Controls

**Working With Data types** :- Data Type Range , Variables , MessageBox()

**Operators in VB.NET** :- Basic Arithmetic Operators , Advance Operators , Concatenation Operators , Assignment-III , Relational & Logical Operators , Decision Making & Branching , Assignment-IV , Select Case Statement , Different Events

**Loops** :- For Loop , Do Loop , Do Until , For Each , Object Collection

**Predefined Function** :- System Clock Functions , String Function , Conversion function

**MDI(Multiple Document Interface)** :-Types of Interface , Menu strip , Context Menu , Toolbar& ToolStrip , Status strip , Progress bar , Tab Control

**Common Dialog Controls** :- Open File Dialog , Save File Dialog , Color Dialog , Common Dialog Classes , Document Printing Dialog

**File Handling** :- File Stream Class , Open a Text File

**Advance Controls** :- List View Control , Tree View Control , Procedure & Modules

**Object Oriented Programming** :- Procedural Language , Concept of OOPS , Class Libraries , Access Keywords , Inheritance , Overloading , Constructor , Destructor

**Object Linking Embedded Database** :- OLE an Introduction , WIN32 API

**Components Object Model** :- Com Technology and Advantage , Disadvantages

**User Controls** :- Create User Controls , Register user Controls

**ADO.NET** :- Client Server Architecture , Difference Between Ado and ADO.NET , Data Access Components , Database Creation Using OLEDB , Data Sources , ADO & ADO.NET , ASO.NET Architecture , ADO.NET Components , ADO.Net Object Model , Access Data sing Server Explorer , .NET Data Providers , ADO.NET Provider Components , Data Readers , Bind Data into Grid , Data View

**Crystal Report** :- Crystal Report Architecture , Data Access Technology , Crystal Report Viewer , Push Model , Binding the Report , Altering Font Colors

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