



# VB .NET





# About Course

STAAD is the abbreviation for Structural Analysis and Design. STAAD.Pro is one of the popular software that is used for analysing & designing structures like – buildings, towers, bridges, industrial, transportation and utility structures.

It makes structural and design analysis easier for you. Compared to the manual analysis and design process, Staad Pro assists you to save a lot of time.



# **VB .NET**

## **CURRICULUM**

### **① Introduction**

**Microsoft .NET Framework**

**Visual Basic .Net**

**Example of Visual Basic .Net**

### **② The Visual Basic . NET Language**

**Source Files**

**Identifiers**

**Keywords**

**Literals**

**Types**

**Namespaces**

**Symbolic Constants**

**Variables**

**Scope**

**Access Modifiers**

**Assignment**

**Operators and Expressions**

**Statements**

**Classes**



- Interfaces
- Structures
- Enumerations
- Exceptions
- Delegates
- Exents
- Standers Modules
- Attributes
- Conditional Compilation

### ③ The .NET Framework

- Common Language Infrastructure (CLI)  
& Common Language Runtime (CLR)
- Common Type Systems (CTS)
- Namespaces
- Portions of the CLI
- Modules and Assemblies
- Global Assembly Cache (GAC)
- Comparison of Assemblies, Modules & Namespaces
- Application Domains
- Common Language Specification (CLS)
- Intermediate Language (IL) & Just In Time (JIT) Compilation
- Metadata
- Memory Management & Garbage Collection
- Finalize



**Dispose**

**A brief tour of the .NET Framework Name spaces**

**Configuration**

**Configuration File Formal**

**Configuration Section Groups**

**The Section**

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## **Windows Form I: Developing Desktop Applications**

**Creating a Form**

**Creating a Form using Visual Studio .NET**

**Creating a Form in code**

**Relationships between forms**

**MDI Applications**

**Parent & Child Forms**

**Creating a window Menu**

**Merging menus**

**Detecting MDI child window activation**

**Component attributes**

**2-D Graphics programming with GDI+**

**The Graphics class**

**The Pen class**

**The Brush class**

**The colors structures**

**Alpha blending**



Anti-aliasing

Printing

hello printer

The print page EventArgs class

The Onbeginprint and OnEndPrint Methods

Choosing a Printer

The PageSettings Class

The Printer Settings Class

Page Setup Dialog Box

Print Preview

Summary of Printing

Files In VB.Net

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## Windows Form II: Controls, Common Dialog Boxes And Menus

Common Controls &

Control Events

Form and Control Layout

Common Dialog Boxes

Menus

Creating a Control

COM Interoperability

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## NET:DEVELOPING DATABASE APPLICATIONS

A brief History of universal Data Access



Managed Providers  
Connecting to a SQL Server Data-base  
Connecting to an OLE DB DataSource  
Reading Data into a Datacell.  
The Dataset class  
Finding Tables  
Finding Rows  
Finding column values  
Finding column Definition  
Changing Adding & Deleting rows  
Writing updates back to the Data source  
Relations between Data tables in a Data Set.  
The Datasets XML Capabilities  
Binding a Data Set to a Windowsforms Data Grid.  
Binding a Data Set to a Web-Forms Data Grid.  
Reading Data using a Data-Reader  
Executing Store Procedures through a SQL Command Object



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