

# .NET Programming

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## Session 1: Introduction

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1. Introduction to .NET Technology.
2. Introduction to VB.NET.
3. Software development and Visual Basic.NET.
4. Visual Basic .NET and .NET frame.

## Session 2: Visual Basic Fundamentals

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1. Visual Basic fundamentals: The Visual Basic .NET Development Environment.
2. The element of VB.NET.
3. VB.NET operators.
4. Software design.
5. Conditional structure and control flow.
6. Methods.

## Session 3: Classes and Objects

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1. Classes and Objects: Types.
2. Structure and Enumeration.
3. Classes, Interfaces.
4. Exception handling and Classes.
5. Collections.
6. Arrays and other Data Structure.

## Session 4: Designing Concept

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1. Advance design concepts.
2. Patterns, Roles and Relationships.
3. Advanced Interface Patterns: Adapters and Delegates and Events Data Processing and I/O.

## Session 5: Writing Program in Platform

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1. Writing Software with Visual Basic .NET & C#.NET.
2. Interfacing with the End User.
3. Introduction to ASP.NET and C#.NET and their features.
4. Making a website on ASP.NET.

## Book References

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1. Jeffrey R. Shapiro “The Complete Reference Visual Basic .NET” Tata Mcgraw Hill (2002 Edition).
2. Rox “Beginner and Professional Edition VB.NET” Tata Mcgraw Hill.
3. Steven Holzner “Visual Basic .NET Black Book” Wiley Dreamtech Publication.