

Dot Net

Course Duration: 4 months

Qualification: open to all individuals interested in learning Dot Net.

Eligibility:

No prior programming experience required; open to all individuals interested in learning Dot Net.

Medium of Instruction:

English

Duration:

Minimum 4 months and Maximum 6 months

Programming Details:

The programming has been divided into 4 modules. Consequently, there will be examinations at every end of module. For beginners it is first important to build command over programming concepts. In this course our goal is to help you to be confident with the coding fundamentals.

Module 1: Introduction to Dot Net and C#

- What is Dot Net Framework & Dot Net Core
- Introduction to C#
- Setting up Development Environment (Visual Studio)
- C# Syntax Basics
- Variables, Data Types, Operators
- Writing Your First Console Application
- Project 1: Simple Console App

Module 2: Web Development with ASP.NET

- Introduction to ASP Dot Net
- Creating a Basic Web Application
- Understanding Pages & Routing

- Introduction to Data Access
- CRUD Operations with Entity Framework (Simple)
- Project 2: Build a Basic CRUD Web App

Module 3: Basic C# Concepts for Beginners

- Methods & Functions
- Classes & Objects
- Properties & Fields
- Basic Exception Handling (try/catch)
- Beginner-level File I/O
- Practical Exercises

Module 4: Desktop Development Basics

- Introduction to Windows Desktop Applications (WinForms / WPF basics)
- Creating a Simple GUI Application
- Buttons, Labels, Text Boxes Basics
- Event Handling
- Project 3: Mini Desktop App

Module 5: Final Project

- Consolidate C# Console, Web, and Desktop Knowledge
- Build a Simple Full-Stack Application (Beginner-Friendly)
- Review Best Practices
- Submission of Final Project