

JDNET TECHNOLOGIES

(ISO 9001:2015 CERTIFIED INSTITUTION)

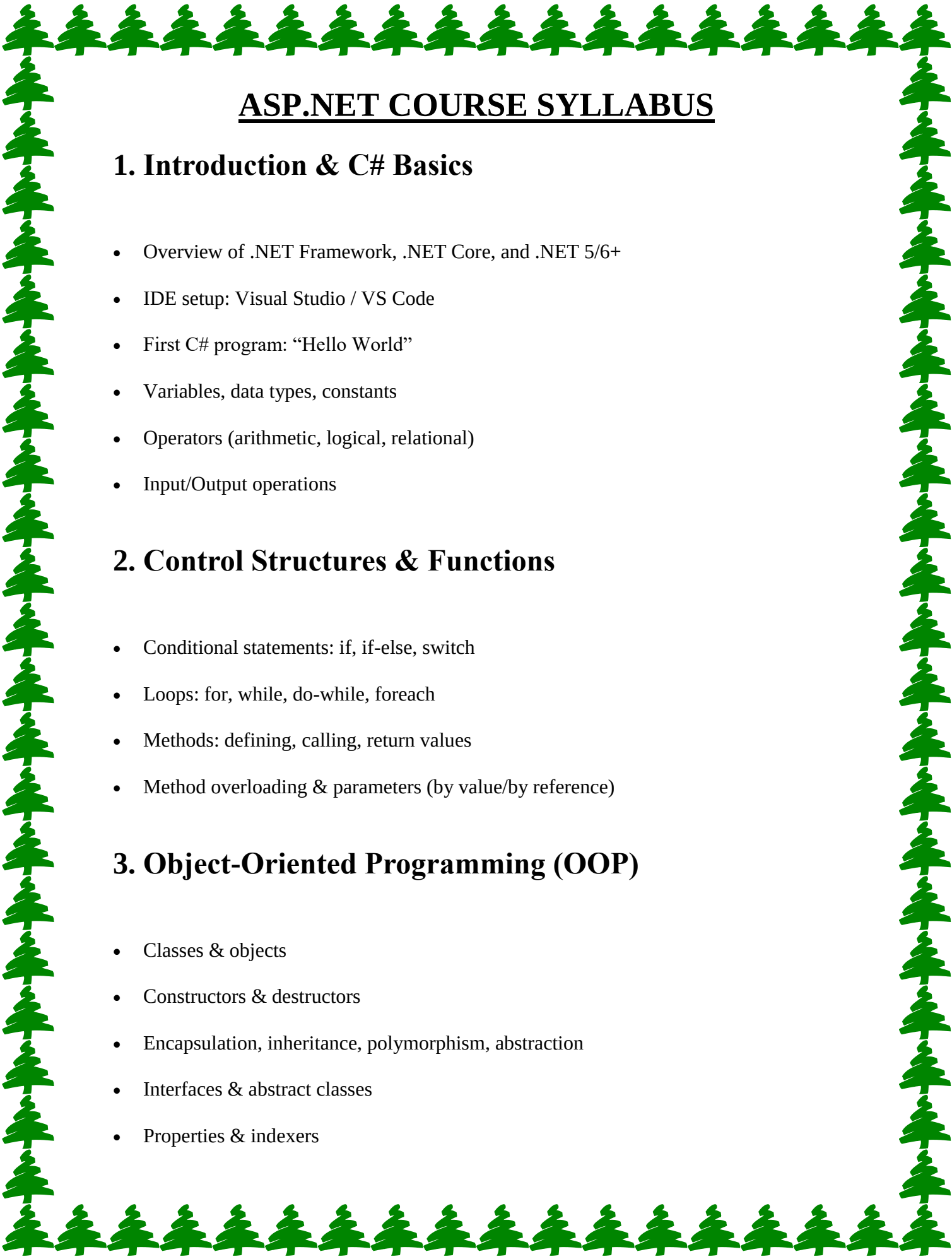
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.NET(C#,ASP.NET,MVC)



TRAINING COURSES FOR ALL DEPARTMENTS



ASP.NET COURSE SYLLABUS

1. Introduction & C# Basics

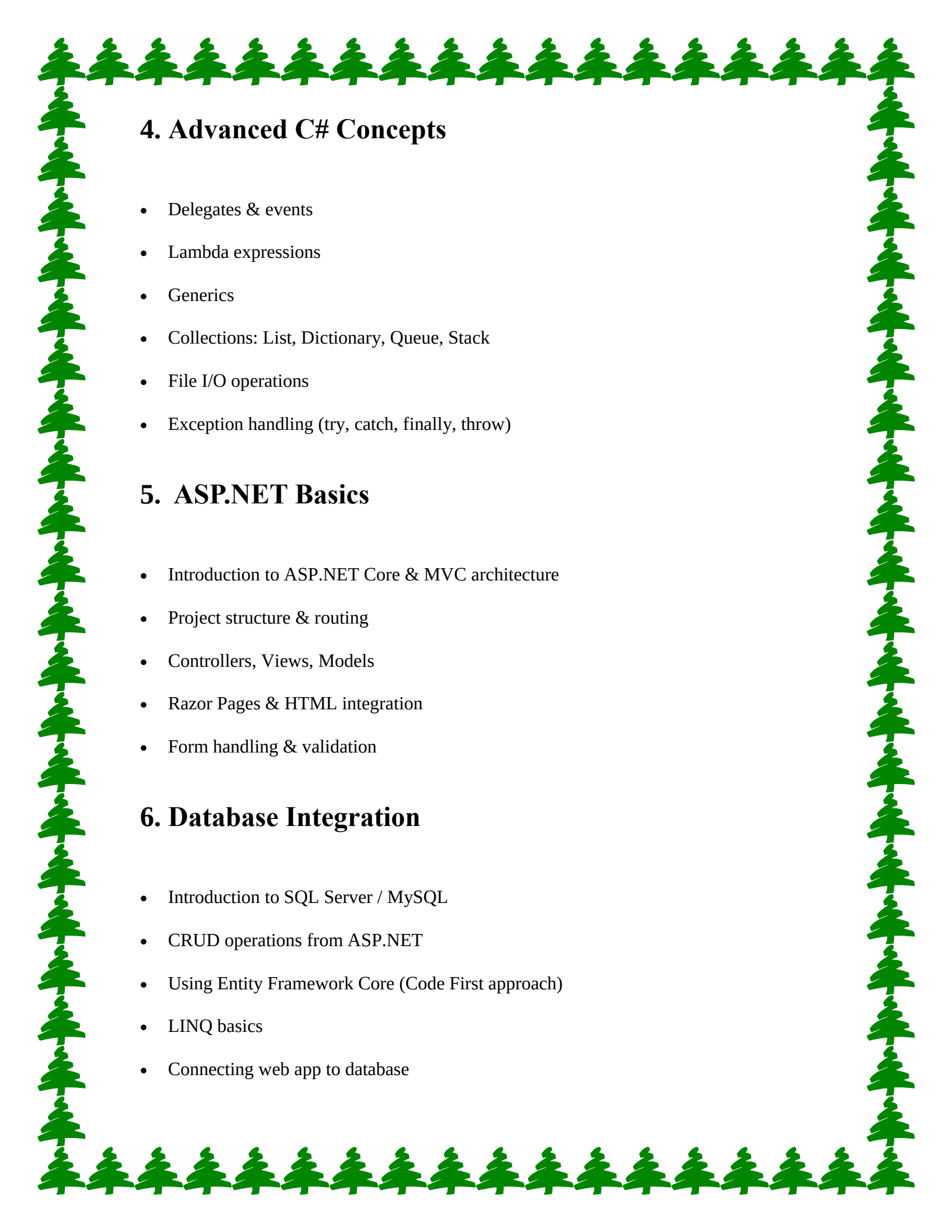
- Overview of .NET Framework, .NET Core, and .NET 5/6+
- IDE setup: Visual Studio / VS Code
- First C# program: “Hello World”
- Variables, data types, constants
- Operators (arithmetic, logical, relational)
- Input/Output operations

2. Control Structures & Functions

- Conditional statements: if, if-else, switch
- Loops: for, while, do-while, foreach
- Methods: defining, calling, return values
- Method overloading & parameters (by value/by reference)

3. Object-Oriented Programming (OOP)

- Classes & objects
- Constructors & destructors
- Encapsulation, inheritance, polymorphism, abstraction
- Interfaces & abstract classes
- Properties & indexers



4. Advanced C# Concepts

- Delegates & events
- Lambda expressions
- Generics
- Collections: List, Dictionary, Queue, Stack
- File I/O operations
- Exception handling (try, catch, finally, throw)

5. ASP.NET Basics

- Introduction to ASP.NET Core & MVC architecture
- Project structure & routing
- Controllers, Views, Models
- Razor Pages & HTML integration
- Form handling & validation

6. Database Integration

- Introduction to SQL Server / MySQL
- CRUD operations from ASP.NET
- Using Entity Framework Core (Code First approach)
- LINQ basics
- Connecting web app to database



Connect With Us

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