**DEPARTMENT OF COMPUTER SCICENCE AND ENGINEERING**

**IV/IV B.Tech Semester-VII**

**[AY 2025-26]**

**VISUAL PROGRAMMING LAB**

**Course Objectives:**

* To learn the C# language and the .NET Framework. .
* To use windows Forms applications with rich, highly responsive user interfaces.
* To develop web applications using ASP.NET.
* To know the use of Language Integrated Query (LINQ).

**Course Outcomes:**

1. Apply OOPS concepts in C# console applications.
2. Implement Window Forms Applications in Visual Studio IDE.
3. Implement ASP.Net web applications.
4. Create Data Access driven applications using LINQ and XML

**List of Programs:**

1. Write a C# .NET program with a function to calculate the count of vowels by taking the input string. [CO1]
2. Write a program to demonstrate OOPs concepts in C#. [CO1]
3. Write a program to illustrate the concepts of delegates in C#. [CO1]
4. Write a program to demonstrate ASP.NET Input Validation controls. [CO3]
5. Write a program to build a data driven ASP.NET Web application. [CO3]
6. Write a program to demonstrate StreamWriters and StreamReaders. [CO1]
7. Write a C# program to demonstrate LINQ to SQL. [CO4]
8. Write a C# program to demonstrate LINQ to XML. [CO4]