Continuous Assessment 3 (CA3) – Visual Programming
Module: SEN3306 Visual Programming
Weightage: 10%
Learning Outcome Covered:
- LO3: Demonstrate the ability to implement visual solutions.

Task: Employee Management System (Basic CRUD Application)

Objective:

Develop a simple **Employee Management System** using **C# and .NET Framework** that allows users to **Add, View, Update, and Delete (CRUD)** employee records.

Requirements:

1. **User Interface (UI) Design:**
   - Design a simple **Windows Forms Application** (WinForms) with the following components:
     - Text fields for **Employee ID, Name, Age, and Department**
     - Buttons: **Add, Update, Delete, Clear**
     - A **DataGridView** to display employee records.
2. **Functionalities:**
   - **Add Employee:** Input employee details and save them.
   - **View Employees:** Display all employee records in the DataGridView.
   - **Update Employee:** Modify details of an existing employee.
   - **Delete Employee:** Remove an employee from the list.
   - **Clear Fields:** Reset input fields.
3. **Data Handling:**
   - Store the employee details in a **List** (No database required).
   - Ensure the application **updates** the displayed list dynamically.

Evaluation Criteria:

Criterion	Marks
UI Design (Proper layout, usability)	3
CRUD Functionalities (Working Add, View, Update, Delete)	4
Data Handling & Validation	2
Code Quality & Readability	1
Total	**10**

Submission Guidelines:

- Submit the **Visual Studio Project folder** as a compressed **.zip** file.
- **Deadline:** 18.04.2025