C# Final Project Report

# 1. Project Overview

• Project Title: C# Final Project – UnicomTic Management System

• Key Features Implemented:

* - Add, update, delete, and search student records.
* - Course and room management.
* - Timetable creation and viewing.
* - SQLite database integration.
* - Form validation and UI feedback.

• Technologies Used:

* - C# WinForms
* - .NET Framework
* - SQLite
* - Git for version control

• Challenges Faced and Solutions:

* - Database locking issues: Resolved by enabling WAL mode in SQLite and managing connections properly.
* - UI refresh bugs: Solved by refactoring form clearing and control update methods.
* - Search functionality performance: Improved with parameterized queries and optimized DataGridView refreshing.

# 2. Samples (Screenshots)



