

Student Record Management System Project Report

1. Introduction

This project is a Student Record Management System developed using C programming. It allows adding, viewing, searching, updating, and deleting student records using file handling.

2. Objectives

- Store and manage student details
- Calculate total, average, and grade
- Enable CRUD operations (Create, Read, Update, Delete)
- Practice file handling and modular programming

3. Technologies Used

Language: C Programming

Compiler: GCC / CodeBlocks

Storage: Text File

Concepts: Structures, Functions, File Handling

4. Features

- Add student details
- View records in table format
- Search by roll number
- Update and delete records
- Grade calculation based on average

5. System Architecture

The program uses structures to store student data and file handling to maintain persistent records. Operations are separated into modular functions.

6. Conclusion

The project successfully demonstrates the use of structures, file handling, and modular programming in C. It is efficient, easy to use, and suitable for academic submission.