**User Manual Guide**

**Student Management System – User Guide**

**1. Introduction**

This guide explains how to use the **CLI-based Student Management System**. It is designed to be simple and easy to use for anyone with basic computer knowledge.

**2. System Requirements**

* A computer with a C++ compiler (e.g., g++, Code::Blocks, Dev-C++).
* Basic knowledge of using the terminal/command prompt.

**3. How to Run the Program**

1. Open your C++ IDE or terminal.
2. Compile the program.
3. Then run the program.

**4. Main Menu Options**

When you run the program, you will see a menu:

===== Student Management System =====

1. Add Student

2. Display All Students

3. Search Student

4. Update Student

5. Delete Student

6. Exit

Enter your choice:

**5. Features Explained**

* **1. Add Student**
  + Enter roll number, name, age, and course.
  + Example: 101 John 20 CS
* **2. Display All Students**
  + Shows all student records saved in the system.
* **3. Search Student**
  + Enter the roll number → system shows the student details if found.
* **4. Update Student**
  + Enter roll number → update the student’s name, age, or course.
* **5. Delete Student**
  + Enter roll number → student record will be removed.
* **6. Exit**
  + Ends the program safely.

**6. Example Usage**

===== Student Management System =====

1. Add Student

2. Display All Students

3. Search Student

4. Update Student

5. Delete Student

6. Exit

Enter your choice: 1

Enter Roll No: 094

Enter Name: Hassan

Enter Age: 21

Enter Course: Software Engineering

Student added successfully!

**7. Notes for Users**

* Roll numbers must be unique.
* If you delete a student, their record cannot be recovered.
* Data is lost when the program is closed (no permanent storage).