**PROBLEM STATEMENT**

**ID RECOVERY**

**preface**

Due to the frequent loss of school ids, a system ca be developed to help reduce the effects, if a student loses a school identification card and a second student locates it, the second student can log in to the program and post it after which any person who might know the owner or even the owner will be notified.

Further the system will group the ids by schools, courses, and years in the university

**Problem Statement: Student ID Recovery System**

**Introduction:**

A school or university typically has a large number of students, and it is essential to keep track of their information, including their student IDs. Unfortunately, student IDs can be misplaced, lost, or damaged, which can cause significant problems for both students and the school administration. The purpose of this project is to create a Student ID Recovery System that enables students to recover their lost or damaged IDs quickly and easily.

**Problem Description**:

The current process for student ID recovery involves submitting a request to the school's administration, which can take several days or weeks to process. This process is inefficient, time-consuming, and can cause inconvenience to students who need their IDs urgently.

**Objective:**

the primary objective of this project is to develop a software application that allows students to recover their IDs quickly and efficiently without the need for administrative intervention.

**Solution:**

The proposed solution is to create a C program that will enable students to recover their IDs using their personal information. The program will prompt the user to enter their personal information, such as their name, student number, and date of birth, and then search the school's database for a match. Once a match is found, the student's ID will be displayed on the screen, and the student can print it out or save it to their computer.

**Features:**

1. User-friendly interface: The program will have a simple and intuitive interface that is easy to navigate.
2. Secure login: To ensure the security of students' personal information, the program will require users to log in using their unique student number and a password.
3. Quick search: The program will use an efficient search algorithm to quickly find the student's information in the school's database.
4. Print and save options: The program will allow students to print out or save their recovered IDs to their computer for future reference.

**Conclusion:**

The Student ID Recovery System will streamline the process of recovering lost or damaged student IDs and provide a more efficient and convenient solution for students. This project aims to develop a robust, reliable, and user-friendly software application that will meet the needs of students and the school administration.