**School record management system**

**Objective:**

The school management system is an application developed for schools. It is an application developed in Java which is used to store all the school-related records. It stores information related to students, staff, and teachers. The database used is MS-Access. The objective of developing such a system was to reduce the errors that creep in the manual system where it was very difficult to store the records. It also provides the facility to calculate the attendance of the student. There are four types of login for this system the administrator, student, teacher and staff login. The whole system is handled by the administrator who has all the rights to edit or modify any school member information. The student can view the details by logging with their details. This system was developed to provide a secure, easy to use a reliable system. This was created to handle all the school-related information and save it in records.

**Existing system:**

In the earlier system, it was difficult to store all the student, teacher and staff records which required a lot of paperwork and time consumption. It also leads to errors and mistakes. Everything like attendance has to be marked manually. These systems also caused redundancy of data. If any records need to be updated then it has to be changed in every file so making it difficult to manage all the data. There was no security as anyone can view those records. So there was the need for developing an automated system which could handle all these problems making the system easier to use.

**Proposed system:**

Now the proposed system is developed to solve all the problems that occurred in the earlier systems. It provides a user-friendly interface where there is an administrator which only has the privilege to access the data. This makes system secure and reliable. This system allows to keep track of the student's attendance and maintain all the staff information. So everything becomes easy thus reducing the risks that come with an existing system.

**Modules:**

* Registration module: In this module, the users of the system have to register themselves with all their personal details and after that, they can log in to the system
* Login module: This module page allows different types of login details for student, admin, teacher, and staff.
* Add module: This allows to add new users to the system database.
* Save module: This allows to save the records in a database.
* Delete module: It deleted the student records from a database.
* View profile module: This module displays information according to the type of user. The admin can view all the details while the other users can only view their own details.
* Attendance module: This module allows to calculate the attendance of the student and display it.

**Software Requirements**

JVM

**Hardware Requirements**

Hard Disk – 2 GB.

RAM required – 1 GB (minimum)

Processor – Dual Core or Above.

**Technology Used**

Java