**Latex code -**

\documentclass[a4paper,12pt]{article}

\usepackage{titlesec}

\usepackage{geometry}

\usepackage{graphicx}

\titleformat{\section}{\normalfont\fontsize{12}{15}\bfseries}{\thesection}{1em}{}

\geometry{margin=1in}

\title{Student Database Management System}

\author{Kushagra Saxena}

\date{\today}

\begin{document}

\maketitle

\section{Introduction}

A Student Database Management System, or SDMS, is a digital tool used by schools and colleges to store and manage student information. It helps with tasks like keeping track of grades, attendance, and contact details. SDMS makes school administration more efficient, secure, and accessible for both educators and students.

\section{Objectives}

Data Centralization: Gather and store student information in one centralized system, making it easily accessible for authorized personnel.

Efficient Data Management: Streamline data entry, storage, retrieval, and update processes, reducing manual paperwork and administrative overhead.

Data Security: Ensure the security and confidentiality of student records by implementing access controls and encryption measures.

Automation: Automate administrative tasks like enrollment, registration, grading, and attendance tracking to save time and reduce errors.

Data Analysis: Provide tools for generating reports and conducting data analysis to assess student performance and make data-informed decisions.

Communication: Enable efficient communication between educational institutions, students, and parents through integrated messaging and notification features.

Integration: Allow integration with other systems like Learning Management Systems (LMS) and financial software for a seamless flow of information.

Scalability: Adapt to the changing needs of educational institutions, whether they are small schools or large universities, by accommodating various student populations and data complexities.

User-Friendly Interface: Provide a user-friendly interface that caters to users with varying levels of technical expertise.

Enhanced Decision-Making: Empower educators and administrators with the ability to make informed decisions to improve the quality of education and the overall learning experience.

\section{Operaation performed}

Data Entry: Allows authorized users to input and update student information, including personal details, enrollment, and academic records.

Data Retrieval: Enables users to search for and access specific student records quickly and easily.

Data Storage: Safely stores and organizes student data in a structured and secure database.

Data Modification: Allows authorized personnel to update student records as needed, such as changing contact information or academic details.

Enrollment and Registration: Facilitates the process of enrolling students in courses, programs, and semesters, as well as managing student registrations for classes.

Grading: Manages the recording of grades, calculates GPA, and tracks academic progress for each student.

Security: Implements access controls and encryption measures to ensure the confidentiality and security of student data.

Backup and Recovery: Regularly backs up student data to prevent loss in case of system failures, and enables data recovery in the event of a data loss incident.

\section{Conclusion}

In conclusion, a Student Database Management System (SDMS) is a powerful tool for educational institutions that simplifies the management of student data and administrative tasks. It centralizes student information, streamlines data entry and retrieval, and enhances data security. Furthermore, it automates various processes like enrollment, grading, and attendance tracking, which saves time and reduces errors. The system's reporting and communication features empower educators and administrators to make data-informed decisions and facilitate effective communication with students and their guardians. With its scalability and integration capabilities, an SDMS adapts to the changing needs of educational institutions and complements other systems, contributing to an improved educational experience for all stakeholders.

\section{result}

\begin{figure}

\centering

\includegraphics{3.png}

\caption{Caption}

\label{fig:enter-label}

\end{figure}

\end{document}