**SCHOOL MANAGEMENT SYSTEM**

**Requirements**

**User Management**

1. **Student Enrollment and Management:**

* Register new students.
* Maintain student profiles (personal details, contact information, academic history).
* Track attendance.
* Manage class schedules.
* Generate and manage student IDs.

1. **Teacher and Staff Management:**

* Register new teachers and staff.
* Maintain teacher and staff profiles (personal details, contact information, employment history).
* Assign teachers to classes and subjects.
* Track attendance and work hours.
* Manage payroll and benefits. **(Optional)**

**Academic Management**

1. **Course Management:**

* Create and manage subjects.
* Assign courses to grades and classes.

1. **Classroom Management:**

* Create and manage class schedules.
* Assign teachers and students to classes.

1. **Examination Management:**

* Schedule exams.
* Create and manage exam timetables.
* Record and manage exam results and grades.
* Generate report cards and transcripts.

**Administrative Management**

1. **Fee and Payment Management:**

* Generate and manage fee structures.
* Track student fees and payments.
* Generate Fee Vouchers.
* Send fee reminders and notifications.

**Communication and Collaboration (OPTIONAL)**

1. **Parent-Teacher Communication:**

* Enable direct communication between parents and teachers.
* Send notifications and announcements.
* Schedule parent-teacher meetings.

1. **Student and Staff Communication:**

* Enable internal messaging and collaboration tools.
* Provide access to forums and discussion boards.

**Reporting and Analytics**

1. **Reporting:**

* Generate academic performance reports.
* Generate attendance reports.
* Generate financial reports.
* Custom report generation based on various parameters. **(Optional)**

**Security and Access Control**

1. **User Authentication and Authorization:**

* Implement secure login mechanisms.
* Define user roles and permissions.
* Ensure data privacy and protection.

1. **Data Backup and Recovery:**

* Regularly back up system data.
* Implement data recovery procedures.