

“School Management System”

Proposal

Proposed By:

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Introduction

School Management System (SMS) is to make everyday school tasks easier and faster.

Before this system, everything was handled manually, which caused mistakes, delays, and stress for teachers, students, and parents.

With this new system, all school activities like student registration, attendance, grading, report generation, and communication are done digitally. This makes work more accurate, and quick.

Main Features

- Easy student registration and profile management.
- Digital attendance record keeping.
- Online access to student grades and academic performance.
- Direct communication between teachers, students, and parents.
- Automatic report generation for progress and attendance.
- Notifications and updates for students and parents.
- Library management for issuing, returning, and tracking books.

Stakeholders and Their Work

Stakeholder	Work/Responsibilities
Student	View grades, attendance, academic record, and talk to teachers/admin.
Teacher	Manage student profiles, enter grades, update attendance, generate reports, and communicate with students and parents.
Parent	See their child's performance and attendance; communicate with teachers/admin.

Administrator	Handle student registration, grades, attendance, notifications, communication, and report generation.
Librarian	Manage library books, issue them to students, and record returns.

Functional Requirements:

Student Functional Requirements

FR Code	Functional Requirement	Stakeholders Involved
FR1.1	Student should be able to register online	Student, Administrator
FR1.2	Student should be able to enroll in courses/subjects	Student, Administrator
FR1.3	Student should be able to pay fees online and check fee status	Student, Administrator
FR1.4	Student should be able to view academic records	Student
FR1.5	Student should be able to view grades	Student
FR1.6	Student should be able to view attendance	Student
FR1.7	Student should be able to download timetable and exam schedule	Student
FR1.8	Student should be able to request transcripts/certificates	Student, Administrator
FR1.9	Student should be able to talk to teachers	Student, Teacher
FR1.10	Student should be able to receive updates/announcements from admin	Student, Administrator
FR1.11	Student should be able to borrow/return books from librarian	Student, Librarian

Teacher Functional Requirements

FR Code	Functional Requirement	Stakeholders Involved
FR2.1	Teacher should be able to manage student profiles	Teacher

FR Code	Functional Requirement	Stakeholders Involved
FR2.2	Teacher should be able to record/update attendance	Teacher
FR2.3	Teacher should be able to enter grades	Teacher
FR2.4	Teacher should be able to generate reports (progress, attendance)	Teacher
FR2.5	Teacher should be able to upload assignments and study material	Teacher
FR2.6	Teacher should be able to evaluate assignments/tests online	Teacher
FR2.7	Teacher should be able to track student progress in real time	Teacher
FR2.8	Teacher should be able to set exam schedules	Teacher, Administrator
FR2.9	Teacher should be able to communicate with students	Teacher, Student
FR2.10	Teacher should be able to communicate with parents	Teacher, Parent

Parent Functional Requirements

FR Code	Functional Requirement	Stakeholders Involved
FR3.1	Parent should be able to register/login to parent portal	Parent, Administrator
FR3.2	Parent should be able to check child's performance	Parent
FR3.3	Parent should be able to view child's attendance	Parent
FR3.4	Parent should be able to receive fee notifications and pay online	Parent, Administrator
FR3.5	Parent should be able to receive important school alerts (events, holidays)	Parent, Administrator
FR3.6	Parent should be able to download student's progress reports	Parent
FR3.7	Parent should be able to communicate with teachers	Parent, Teacher
FR3.8	Parent should be able to communicate with admin	Parent, Administrator

Admin Functional Requirements

FR Code	Functional Requirement	Stakeholders Involved
FR4.1	Admin should be able to register new students	Administrator
FR4.2	Admin should be able to manage student enrollment in courses	Administrator
FR4.3	Admin should be able to manage fee structures and payments	Administrator
FR4.4	Admin should be able to record and update attendance	Administrator
FR4.5	Admin should be able to enter grades	Administrator
FR4.6	Admin should be able to generate reports	Administrator
FR4.7	Admin should be able to manage teacher accounts	Administrator
FR4.8	Admin should be able to manage courses/class timetables	Administrator
FR4.9	Admin should be able to manage exam scheduling and results	Administrator
FR4.10	Admin should be able to send updates/announcements to students	Administrator, Student
FR4.11	Admin should be able to communicate with parents	Administrator, Parent
FR4.12	Admin should be able to manage user roles and system security	Administrator

Librarian Functional Requirements

FR Code	Functional Requirement	Stakeholders Involved
FR5.1	Librarian should be able to manage book records	Librarian
FR5.2	Librarian should be able to issue books to students	Librarian, Student
FR5.3	Librarian should be able to record book returns	Librarian, Student
FR5.4	Librarian should be able to manage overdue book fines	Librarian
FR5.5	Librarian should be able to generate reports of issued/returned books	Librarian

Relation of Stakeholders to Functional Requirements

- Students → Connected to academic access, attendance viewing, and communication.
- Teachers → Connected to managing profiles, grades, attendance, reports, and communication.
- Parents → Connected to viewing performance/attendance and communicating with teachers/admin.
- Administrators → Connected to registration, attendance, grades, notifications, communication, and reports.
- Librarians → Connected to book management, issuing, and returning.