



AFRIXORA

Smart School Management



PROPOSAL FOR A WEB-BASED SCHOOL MANAGEMENT SYSTEM

Prepared For: Primary / Secondary Schools

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1. Executive Summary

This proposal outlines the development and implementation of a **Web-Based School Management System (SMS)** designed to digitize and automate academic and administrative operations.

The system will streamline student enrollment, academic records, finance management, communication, examinations, and reporting — improving efficiency, transparency, and decision-making.

The platform will be secure, scalable, and accessible via web browser from any location, with role-based access for administrators, teachers, students, parents, and finance staff.

2. Project Objectives

The primary objectives of the system are:

- Digitize school administrative processes
 - Improve accuracy and accessibility of student records
 - Automate fee management and financial reporting
 - Enhance communication between school, parents, and students
 - Provide real-time academic performance tracking for guardians
 - Ensure data security and regulatory compliance
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3. System Overview

The proposed system will be a **web-based platform** hosted on secure cloud or on-premise infrastructure.

Key User Roles:

- System Administrator
- Head Teacher / Principal
- Accounts / Bursar
- Teachers
- Students
- Parents / Guardians

4. Core Modules

4.1 Student Information Management

- Student registration & admission
- Student profiles (academic + personal data)
- Document uploads
- Class allocation
- Behavioural Records
- Attendance Records

4.2 Academic Management

- Class & Subject setup
- Teacher allocation
- Timetable generation
- Attendance management
- Homework & Assignments tracking
- Class Tests Management

4.3 Examination & Results Management

- Exam setup (Midterm, Final, Continuous Assessment)
- Marks entry by teachers
- Automated grading system
- Report card generation (PDF)
- Performance analytics

4.4 Finance & Fees Management

- Fee structure setup (by grade/term)
- Student billing & invoicing
- Payment tracking (cash, mobile money, bank)
- Outstanding balances report
- Financial reports (income, arrears, collections)

4.5 Human Resource Management

- Staff records
- Leave management
- Staff attendance
- Teacher evaluation

4.6 Communication Module

- SMS notifications (fee reminders, results)
- Email notifications
- Parent portal login
- Announcements dashboard

4.7 Library Management (Optional)

- Book catalogue
- Book issuing & returns
- Fine management

4.8 Inventory & Assets (Optional)

- Asset tracking
 - School supplies management
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5. System Workflow Overview

1. Student is registered by Admin.
 2. Student is assigned to class & subjects.
 3. Finance department generate invoice and receipts
 4. Teachers records attendance & marks for tests and exam.
 5. System calculates grades automatically.
 6. Parents log in to view:
 - Academic progress
 - Fee balances
 - Attendance records
 7. Management accesses performance & financial reports.
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6. Technical Specifications

- Web-based application
 - SQL Database backend
 - Role-based authentication
 - Encrypted login system
 - Automated backups
 - Mobile-responsive interface
 - Cloud or Local Server deployment
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7. Benefits to the School

Operational Efficiency

Reduces paperwork and manual record keeping.

Financial Transparency

Improves fee tracking and revenue visibility.

Academic Improvement

Real-time performance analytics help track student progress.

Parent Engagement

Parents can monitor attendance, results, and fee balances.

Data Security

Secure centralized data storage with backup.

8. Implementation Plan

Phase	Description	Duration
Phase 1	Requirements Gathering	1 Week
Phase 2	System Development & Customization	1 Week
Phase 3	Testing & Quality Assurance	1 Week
Phase 4	Training & Deployment	1 Week
Phase 5	Go-Live & Support	Ongoing

Total Estimated Timeline: **2–4 Weeks**

9. Training & Support

- Online / On-site staff training
 - Administrator training
 - User manuals
 - 3–12 months technical support (based on package)
 - Optional annual maintenance contract
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10. Estimated Users

The system can support:

- Unlimited Students
- Unlimited Staff Logins
- Unlimited Parent logins

Scalable as the school grows.

11. Security & Compliance

- Role-based access control
 - Encrypted passwords
 - Audit logs
 - Daily/weekly automated backups
 - Data privacy compliance
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12. Conclusion

The proposed School Management System will modernize operations, increase efficiency, and enhance academic management. It provides a scalable foundation for digital transformation within the institution.

We look forward to partnering with your school to deliver a reliable, secure, and future-ready solution.



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