



SCHOOL MANAGEMENT SYSTEM

First Draft.



JANUARY 21, 2024
BBTECHNOLOGY
2353 M/B/E LUSAKA ZAMBIA.

Contents

1. Introduction	2
2. What is School Management System Software?	2
3. What is the difference between a school management system (SMS) and a learning management system (LMS)?	2
4. How School Management Software Works.....	3
4.1. Educational system:	3
4.2. Financial systems:	3
4.3. Employee system	3
4.4. Inventory system.....	3
5. Benefits of Student Management System	4
5.1. For teachers	4
5.1.1. Saves costs and time	4
5.1.2. Provides accurate students data reporting	4
5.2. For parents.....	4
5.2.1. Enhances interactions.....	4
5.2.2. Streamlines fee management	4
5.3. For students	5
5.3.1. Improves exams preparation	5
5.3.2. Organizes courses and information in an easily accessible format	5
6. Key features of School Management Software	5
6.1. For students	5
6.2. For teachers	5
6.3. For parents.....	6
6.4. For school management	6
7. Conclusion.....	7

1. Introduction

A school management system (SMS) is a great way to keep things simple and organized. An SMS can quickly help a school become more structured and effective. Although the increase in demand for online learning platforms is undeniable, creating compelling offerings that appeal to prospective students is an ongoing challenge for many providers. Therefore, it still begs the crucial question: Are providers ready? Well, that's why we're here. BBTechnologies as a software development company has helped in the development of a number of projects in line with an educational management system that have been able to scale and adapt over time.

2. What is School Management System Software?

A school management system is a piece of software created with the express purpose of overseeing educational operations. These systems provide functionality from applications and class enrolment to detailed performance monitoring and financials. They give users the ability to manage and track all of their information assets digitally from a single location. Requirements of School Management System Software include:

- Keeping track of students' attendance.
- Providing exam schedules at regular intervals.
- Assisting in two-way communication with students and their parents.
- Registering new students.
- Administration management for both the faculty and the students.
- Managing the payment of fees.
- Offering new room facility features that will help the school's branding

3. What is the difference between a school management system (SMS) and a learning management system (LMS)?

Since LMS and SMS share many functions and capabilities, they are often mistaken for one another. This results in a lack of clarity about their distinct purposes. The Learning Management System (LMS) is responsible for all aspects of the learning process, while the Student Management System (SMS) is responsible for managing student information and scheduling.

Here's a table illustrating the differences.

Difference	Learning Management System	School Management System
Relationship	Instructor-to-student	Institution-to-student
Purpose	The instructor or faculty member is able to manage the relationship with their students when using an LMS. In other words, the LMS aids in the administration of course resources, whether they are physically located inside or outside of a classroom setting.	With the help of an SMS, a university, college, or school can manage the administrative aspects of its relationship with its students. It not only manages and stores information about students, but it also automates the entire process.

4. How School Management Software Works

Five different systems work together to run school management software: the educational, financial, employee, inventory, and task systems. Let's examine them more closely.

- 4.1. **Educational system:** This system focuses on the actual learning process. It is used to assist students in learning more efficiently, to plan classes, and to evaluate students for teachers.
- 4.2. **Financial systems:** With this system, all school financial transactions can be tracked and required funds can be calculated. The financial systems are overseen by the school's leadership.
- 4.3. **Employee system:** This section evaluates the performance of the employees. KPIs and vacation balances should be clearly communicated to all staff members, including teachers, administrators, and support staff. All processes must be transparent, and this is especially important here.
- 4.4. **Inventory system:** You must keep track of all the school's supplies. As a result, inventory management relies heavily on the school management software's inventory component.
- 4.5. **Task system:** Everyone involved in the educational process, from students to teachers to administrators, must have a clear understanding of their roles and the goals they are charged with achieving. This is where the task system comes in. It gives users a personalized dashboard where they can keep tabs on their projects and their progress.

Now that you understand the market, let's talk about why you should build a School Management System.

5. Benefits of Student Management System

SMS has numerous advantages, which are tailored to a specific group of users. This includes students, parents and school administrators. Keeping that in mind, we'll look at the benefits of a School Management System.

5.1. For teachers

5.1.1. Saves costs and time

It saves instructors valuable time that they would have spent on paperwork. This is done by automating daily tasks that take a lot of time, like making schedules, keeping track of attendance and talking to parents. Directors can also save time by using modules like payslip generation, online fee collection, transportation, and so on to their full potential. The software for running a school can also make different reports to help teachers and principals, which can save them money.

5.1.2. Provides accurate students data reporting

Another benefit of school management software for school administrators and directors is the variety of reports generated within the software. These include graphical reports, summary reports, chart reports, age group reports, list reports, and detailed reports, all of which are accessible with a single click.

5.2. For parents

5.2.1. Enhances interactions

Short Messaging Service (SMS) is a popular method for organizations to stay in touch with their customers' parents. For parents, a quick text message might be all they need to learn something important. Mobile apps that improve communication are typically included in school management software. The transmission is sent as a push notification, and it also allows parents to communicate with one another.

5.2.2. Streamlines fee management

It is nerve-wracking for parents to stand in long queues and wait several hours just to pay fees. Instead, the use of SMS amenities streamlines the process. Administrators are able to receive payments securely online in the same way that parents can make payments online.

5.3. For students

5.3.1. Improves exams preparation

The students will have an easy time taking and distributing examinations. Even if the tests are administered in a different location, it is still possible to upload the results to the platform or communicate with the students and parents about how they should interpret those results. The administration of tests for multiple grade levels and courses becomes a piece of cake.

5.3.2. Organizes courses and information in an easily accessible format

An SMS makes sure that all of the information on the courses is easily accessible and organized. Most students lose their textbooks and forget what they learned in class, so having a School Management System is a big plus.

6. Key features of School Management Software

In this section, we'll look at the core features to include in a school management system.

6.1. For students

- Student's profile
- Attendance
- Information Dashboard
- Access to training materials
- Class and assignment schedule
- Exam and test schedule
- Communication portal
- Upload and download files

6.2. For teachers

- Communication portal
- Data analysis and reports
- Attendance and leave management
- Class activity records
- Manage lesson progress
- Grade assignments, tests and exams
- Upload and share assignments
- Student performance tracking
- Upload and share lecture notes
- Remote teaching

- Manage student records
- Schedule classes and exams
- Video calls and chats with teachers

6.3. For parents

- Communication Portal
- Track student attendance
- Exam schedule
- Performance records
- Monitor student assignment
- Access tests records
- Access learning aids
- Fees and payment records

6.4. For school management

- Dashboard
- Reporting and analytics
- Inquiries and admission checking
- Manage students records
- Students' class performance monitoring
- Staff progress tracking
- Lesson progress monitoring
- Financial monitoring and fee tracking

7. Conclusion

The growing use of digital technology in education will necessitate significant changes in educational institutions' operations in the coming years. Rather than a passing fad, in the new reality, this will be a long-term strategy that will shape the course of history. To put your company on the map and into the competition, you must have a robust SMS solution. Hopefully, this document gets you started in the right direction.