



ADDIS ABABA
**SCIENCE AND
TECHNOLOGY**
UNIVERSITY
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COLLEGE OF ENGINEERING

DEPARTMENT OF SOFTWARE ENGINEERING

SECTION A

IP (INTERNET PROGRAMMING) I PROJECT

PRIMARY SCHOOL INFORMATION SYSTEM(PSIS)

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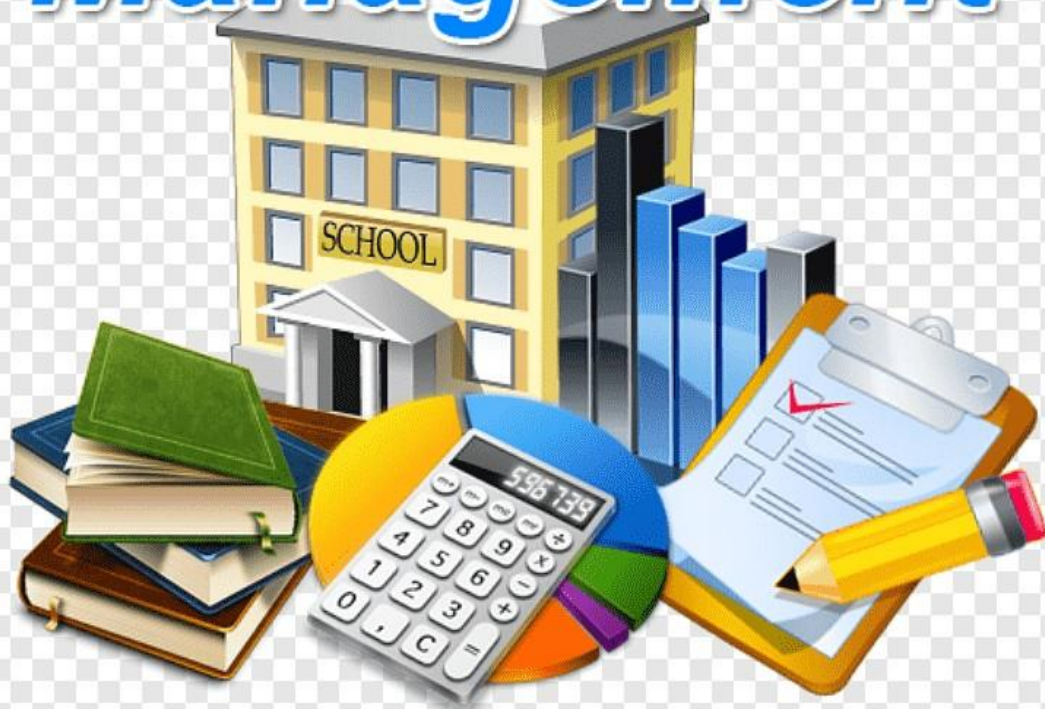
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Introduction

The Primary School Information System (PSIS) is designed to facilitate the management of educational data for primary schools. In today's digital age, many schools still rely on outdated paper-based systems, which can lead to inefficiencies and challenges in data handling. For instance, tracking student records, managing attendance, and communicating with parents often become cumbersome and prone to errors. The goal of this project is to transition from a paper-based management system to an integrated online platform. This change aims to streamline processes, enhance data organization, and improve communication among students, parents, and school staff, ultimately fostering a more effective learning environment.

School Management



Our project on the development of primary school Management System (SIMS) complemented by an intuitive user interface, effectively replacing the conventional paper-based record-keeping

system currently in use. This online system provides school staff with a streamlined approach to accessing and managing student academic progress through a secure web portal thoughtfully integrated into the local school website.

Objectives:

- ❖ Efficiency: Digitizing administrative tasks to reduce paperwork and allow staff to focus on critical educational activities.
- ❖ Accessibility: Providing a user-friendly interface for students and parents to access important information anytime and anywhere.
- ❖ Data Management: Organizing student data for quick retrieval and analysis, aiding in decision-making and reporting.
- ❖ Communication: Enhancing tools for seamless interaction between parents, teachers, and school administration.

Features of the System

Student Information Management:

- Enrollment Details: A centralized database for managing student enrollment, including personal information, contact details, and emergency contacts.
- Academic Records: Digital tracking of grades, assignments, and progress reports, allowing for easy monitoring of student performance.
- Attendance Tracking: Automated attendance logs that can be easily accessed and analyzed

Parent Portal:

- Access to Student Progress Reports: Parents can view their child's academic performance, attendance records, and any alerts regarding their progress.
- Communication with Teachers: A messaging feature that allows parents to communicate directly with teachers regarding their child's education.
- Notifications: Automatic updates about important events, deadlines, and meetings.

Event Management:

- School Calendar: A digital calendar featuring all school events, holidays, and important dates, easily accessible to all stakeholders.

I. Navigation Structure

- Home: About Us Information Latest News Community School Videos
- Announcements: School announcements and updates
- About: Mission Vision Services Offered
- Login: User registration for families and students Family portals for tracking student progress including: Academic Performance Attendance Records Behavioral Reports Participation Metrics

Benefits

- **For Students:** The PSIS will provide students with easier access to their learning materials and progress reports, encouraging greater responsibility for their own education.
- **For Parents:** Parents will stay informed about their child's academic journey and participate more actively in school events and activities.
- **For Staff:** Teachers and administrative staff will experience a reduction in paperwork, enabling them to spend more time engaging with students and improving educational outcomes.

Implementation Plan

- Phase 1: Requirements Gathering and Analysis: Engage with stakeholders (students, parents, teachers, and administrators) to identify their needs and expectations from the system.

- Phase 2: System Design and Development: Create a user-friendly interface and develop the back-end infrastructure necessary to support the features outlined.
- Phase 3: Testing and Feedback Collection: Conduct thorough testing of the system with a focus group and gather feedback for improvements.
- Phase 4: Deployment and Training for Users: Launch the system and provide training sessions for users to ensure they are comfortable navigating and utilizing the platform effectively.

Conclusion: The transition to the Primary School Information System represents a significant step forward in how primary schools manage educational data. By embracing technology, the school community can enhance the educational experience for students, foster better communication between parents and teachers, and streamline administrative processes. This initiative is not just about efficiency; it's about creating a nurturing environment where every student can thrive.

Contact Information:

For more information about the Primary School Information System or to provide feedback, please contact:

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8. FAQs

- What measures are in place to ensure data security?:The system will include encryption and secure access controls to protect sensitive information.
- How can parents access the system? Parents will receive login credentials and instructions during the school orientation.
- What happens if there are technical issues? A dedicated support team will be available to assist with any technical difficulties.