Project Proposal on

School Management System

Course Tittle: Database Systems Project/Fieldwork
Course No: 0714 02 CSE 2206

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Purpose of Our Project:

Our School Management System (SMS) is designed to optimize academic and administrative operations, making school management more efficient. There are many websites available for school management which do not have some specific features that's are demanded by some school authorities. By our system, we will serve them those features. Our system will provide a user-friendly interface. The goal is to enhance transparency, reduce manual workload, and improve communications.

Features:

- **Interface:** There will be 4 types of interfaces.
    - **General User Interface:** Which will be shown someone enter in the website. It will contain some options.
      a) Homepage
      b) About
      c) Teacher and Stuffs
      d) Students
      e) Academic Information
      f) Admission
      g) Result
      h) Notice
      i) Login
    - **Student Interface:** Provides complete student information, access to attendance, exam marks, and academic details, real time notification.
    - **Teacher Interface:** Allows teachers to view all student information, enter attendance, and input exam marks.
    - **Admin Interface:** Manages students, teachers, results, notices, and school-wide operations.
- Automated result making system.
- Secure login system for students, teachers and admin only.
- Security and data privacy.
- Displays real-time notices.
- Teachers can mark attendance digitally, reducing manual errors.

Challenges:

1. **Data Migration –** Transferring data from existing systems to the new platform can be challenging.

2. **User Adaptation –** Teachers, students, and administrators need training to use the new system efficiently.

3. **Security Concerns** – Ensuring that student and teacher data is secure against cyber threats.

4. **System Integration –** Compatibility with existing school systems and databases.

5. **Maintenance and Updates** – Regular updates and technical support are required to ensure smooth functioning.

Differences Between Our Software and Existing Solutions:

1. Our system is more user-friendly than existing software solutions.
2. Each user type (public, student, teacher, administrator) has a dedicated interface with appropriate permissions which is not always available in existing software.

3. Notices, results, and attendance data are updated in real-time, reducing delays.
4. Unlike existing software, our system allows online admission form submission.
5. Our system supports automated result making system which does not support in existing software.

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