Business Requirements for School Management System Database

1. Integrate separate systems for grades, attendance, scheduling, and finance to improve efficiency.

2. Establish integrated communication tools for teachers, students, and parents/guardians to facilitate effective interactions.

3. Automate manual administrative operations to reduce errors and save time, thereby relocating resources to more critical tasks.

4. Implement analytics for insights into academic performance, resource utilization, and financial management.

5. Strengthen data encryption and access controls to secure sensitive information and financial data and ensure privacy.

6. Connect the database with financial systems like QuickBooks to automate billing, tuition management, and scholarship disbursements.

7. Develop a comprehensive student profile that includes academic records, enrollment history, and other information.

8. Create a dynamic scheduling system that manages class times, locations, and exam dates for all users.

9. Track and allocate educational resources, such as classrooms, equipments, and library materials, efficiently.

10. Enable parents to access their children's academic progress, and attendance, and receive notifications regarding school events and important deadlines.

11. Design an automated attendance monitoring system to record and report student attendance for each class.

12. Facilitate the organization and administration of tests and examinations, along with grading result processing.

13. Manage school event schedules, including calendar entries, participant reservations, and notifications.

14. Library database management: Maintain a detailed catalog of library resources, manage checkouts, and track due dates.

15. Link textbooks to relevant courses and manage their circulation within the library system.