

School Management System – Product Blueprint

Vision

A modern **School Management Software** with **three distinct logins**: Management/Admin, Teacher, and Student/Parent.

The system is designed to be **intuitive, card-based, and role-specific**, with a mix of **educational tools + live AI-powered content** for engagement.

User Roles & Features

1. Student/Parent Login

- **Student Card (Top of Dashboard):**
 - Displays: Name, Roll No, Class, Section, Contact Info.
 - Highlights: Attendance %, Upcoming Exam, Fee Due Date.
 - QR Code (for library/canteen/bus scanning).
- **Sections/Buttons Below Card:**
 - **Attendance** – Daily & monthly reports.
 - **Reports** – Academic performance, remarks.
 - **Events** – View-only (school events, competitions).
 - **Schedule** – Class timetable & upcoming activities.
 - **Exams** – Exam timetable, results.
 - **Previous Papers** – Repository of past exam papers.

- **Extra Features:**
 - Notifications from school.
 - Live AI content (study tips, motivational quotes, educational news).
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2. Teacher Login

- **Teacher Card (Top of Dashboard):**
 - Displays: Name, Subjects Assigned, Classes Handled.
 - Quick Actions: Upcoming Classes, Pending Evaluations.
 - **Sections/Buttons Below Card:**
 - **Attendance** – Mark & edit student attendance.
 - **Reports** – Add academic/behavioral remarks.
 - **Schedule** – View & modify teaching schedules.
 - **Exams** – Upload results, assign exams.
 - **Previous Papers** – Upload/manage past papers.
 - **Restrictions:**
 - Cannot edit **Events** (only view).
 - **Extra Features:**
 - AI-driven insights (e.g., “Class X has low average in Math → Plan revision”).
 - Notifications to students (via Admin approval).
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3. Management/Admin Login

- **Admin Dashboard:**

- Access to all student & teacher data.
- Can view/modify events, reports, schedules, exams.
- Full control over attendance, fees, analytics.

- **Special Features:**

- Event Creation & Approval.
 - Push notifications/announcements to students, parents, and teachers.
 - Data Analytics Dashboard:
 - Attendance trends.
 - Academic performance insights.
 - Teacher activity logs.
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Live Updates & AI Content

- Daily motivational quotes.
 - Educational news & updates (NEP, competitive exams, global school trends).
 - Personalized AI suggestions:
 - For students: Study reminders, revision tips.
 - For teachers: Class performance analysis.
 - For parents: Progress highlights, fee reminders.
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UI/UX Vision

- **Card-Based Layout** (student card / teacher card always at top).
 - **Clean Sidebar** for navigation (Attendance, Reports, Exams, etc.).
 - **Responsive & Minimal** design (mobile + desktop friendly).
 - **Interactive Animations** for a modern feel.
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Future Scalability

- Integration with payment gateways (fees).
- Chat support between teachers & parents.
- AI-based career guidance for students.
- School Bus GPS Tracking for parents.