

DECEMBER 2025



Pokhara University



School
Sansar

*Education
management System*

SCHOOL SANSAR

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Overview



Introduction

School Sansar is a cloud-based, multi-tenant Education Management System (EMS) developed to simplify and modernize the management of educational institutions such as schools, colleges, and universities

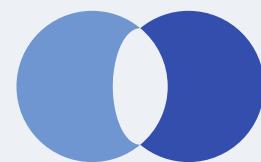


The platform provides a unified digital environment where academic and administrative activities can be managed efficiently under a single system.





PROBLEM STATEMENT



03

Lack of Multi-Tenant SaaS

Solutions: Existing software rarely supports multiple institutions with secure subdomains and centralized management.



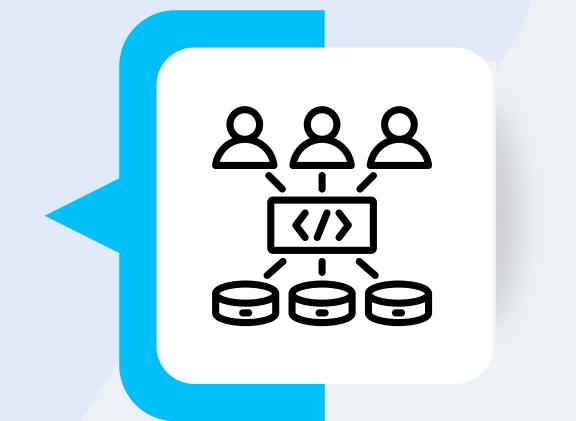
01

Fragmented Systems: Schools and colleges in Nepal use multiple disconnected tools for managing attendance, fees, and assignments, causing inefficiency.

02

Manual Processes: Many institutions rely on paper-based record keeping, which is slow, error-prone, and difficult to track.

KEY OBJECTIVES OF SCHOOL SANSAR



Build a Multi-Tenant SaaS Platform



Custom Subdomain for Each Institution



Manage Students, Teachers, Academics & Fees

KEY FEATURES & FUNCTIONALITIES



Institution & User Management:

- Admin can create institutions, manage teacher and student profiles, assign roles.

Teacher Modules:

- Assign homework, track attendance, upload assignments and study materials.

Student Modules:

- View attendance, fee status, submit assignments, access uploaded documents.

Other Features:

- eSewa Payment Integration for secure online fee collection.
- Support for document uploads like PDFs, notebooks, and presentations.



FUTURE ENHANCEMENTS (ERP VISION)

- Chat System
- Library Management
- Canteen Management

- Staff Management & Payroll
- Online Classes
- Live School Bus Tracking

TOOLS & TECHNOLOGIES



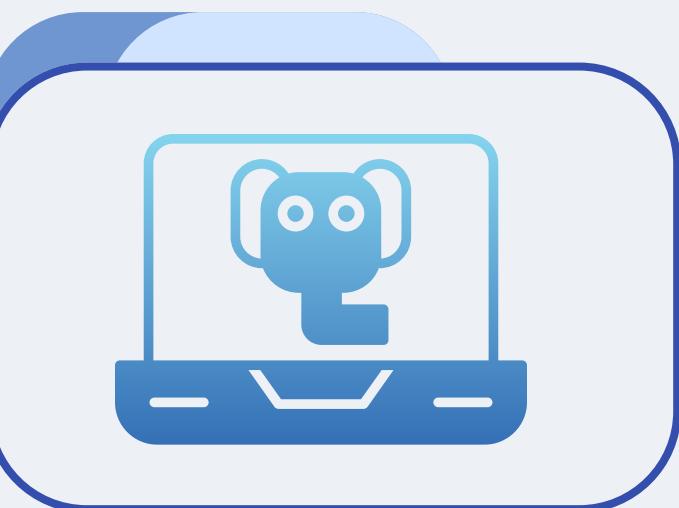
Frontend:

- Next.js – Fast, scalable React framework
- Tailwind CSS – Modern, responsive styling



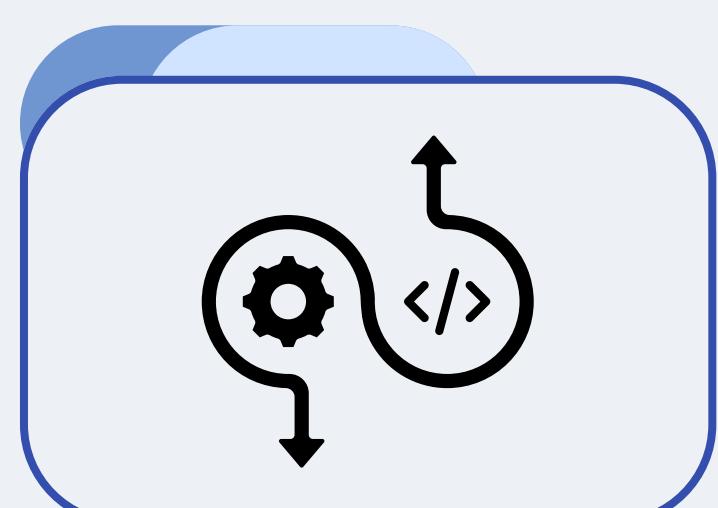
Backend:

- Django – Secure, scalable web framework
- (DRF) – API development for frontend-backend communication



Database:

- PostgreSQL – Reliable, high-performance relational database



DevOps & Version Control:

- Docker – Containerized deployment
- GitHub – Code versioning and collaboration

EXPECTED OUTCOMES & BENEFITS



Digital Transformation: Streamlines administrative and academic processes for schools, colleges, and universities.



Centralized Data Management: All records attendance, assignments, fees, and academic progress stored in one platform.



Improved Teacher-Student Interaction:
Teachers can assign work, share materials, and communicate efficiently with students.

**THANK
YOU**

