

Synopsis Proposal: Student Management System

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BTech Third Year, Section B

Synopsis Proposal: Student Management System

Introduction: Project Overview and Objectives

Project Goal

Streamline academic and administrative processes for improved efficiency and accessibility.

Key Objectives

- Centralised student data
- Automated record-keeping
- Enhanced communication

User Focus

Tailored for students, faculty, and administration needs.

Problem Statement: Current Challenges in Student Management

→ Data Silos

Dispersed information across various departments.

→ Manual Processes

Time-consuming and error-prone administrative tasks.

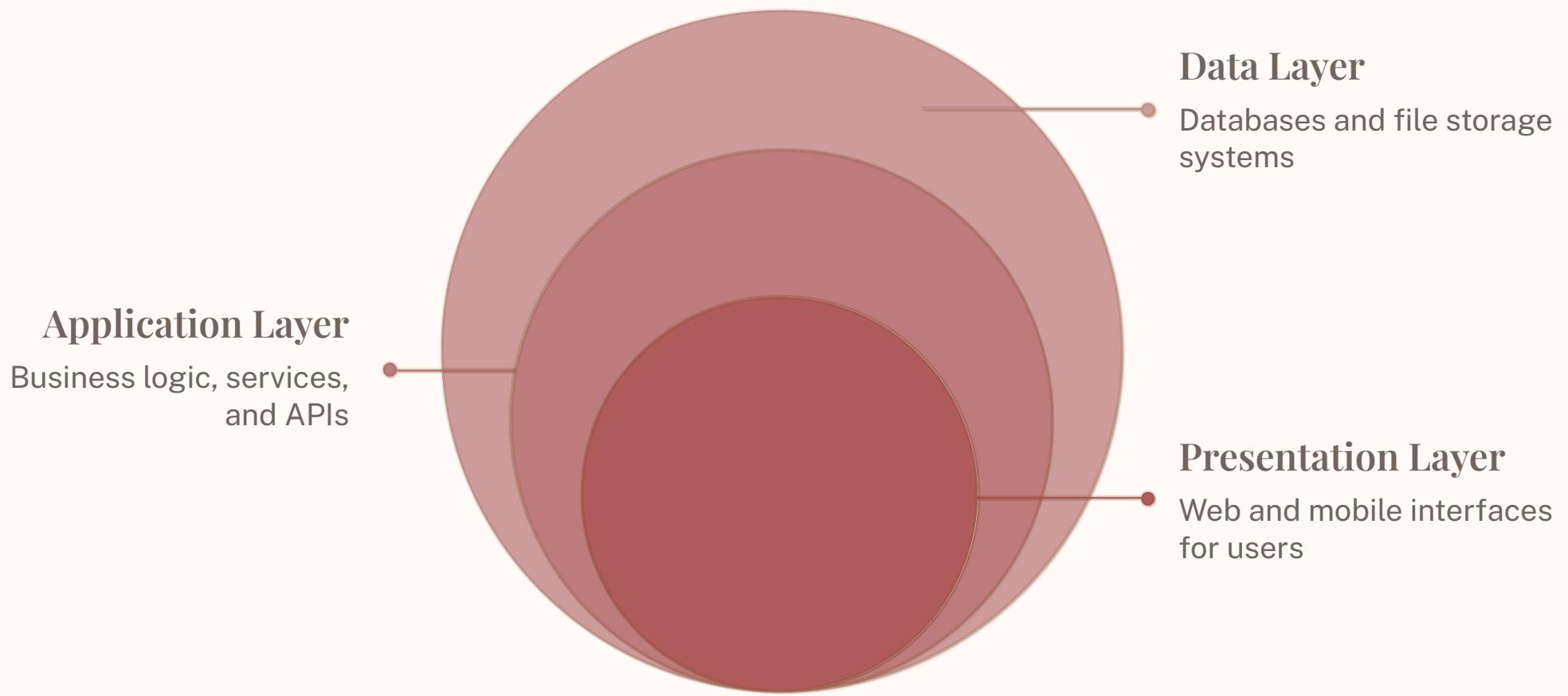
→ Lack of Transparency

Difficulty in tracking student progress and records.

→ Communication Gaps

Ineffective information flow between stakeholders.

Proposed Solution: Student Management System Architecture



Key Features and Functionalities



Student Profiles

Comprehensive personal and academic details.



Timetable Scheduling

Automated class and exam schedules.



Course Management

Enrolment, grades, and attendance tracking.

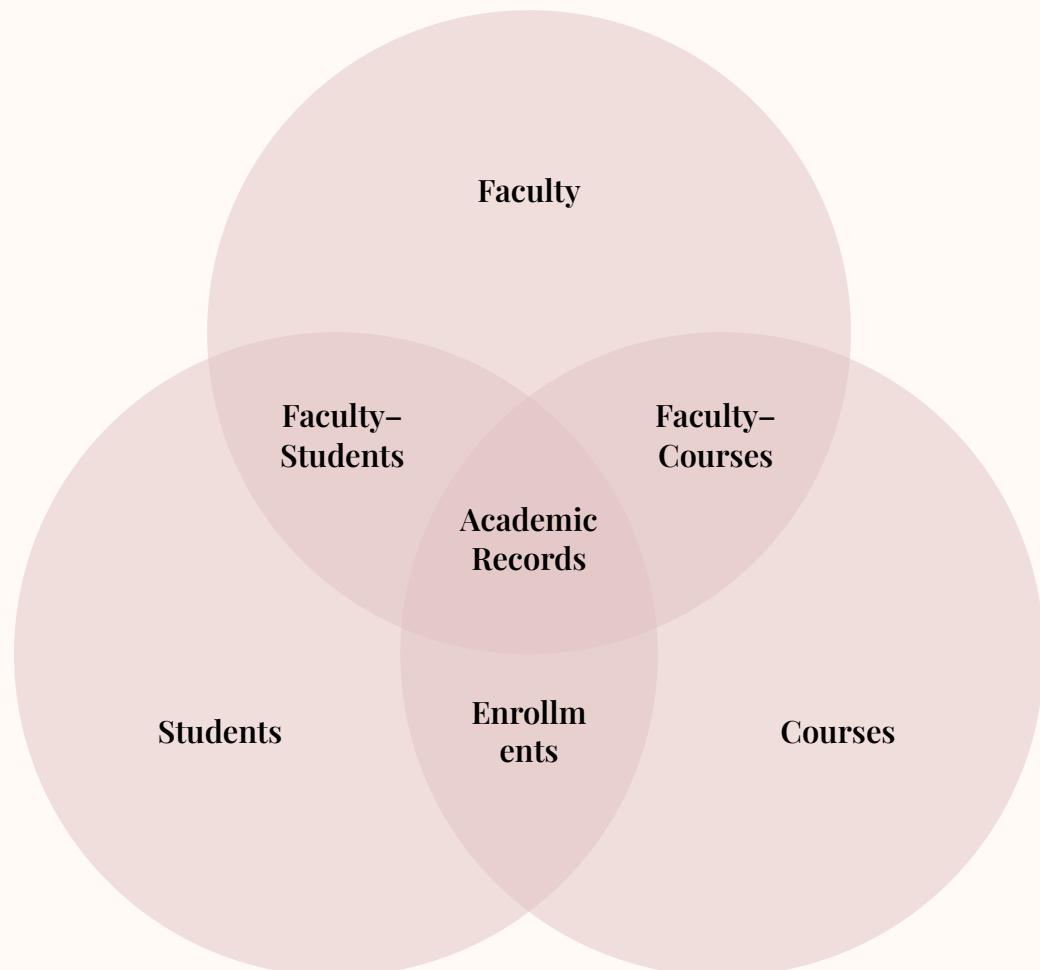


Reporting & Analytics

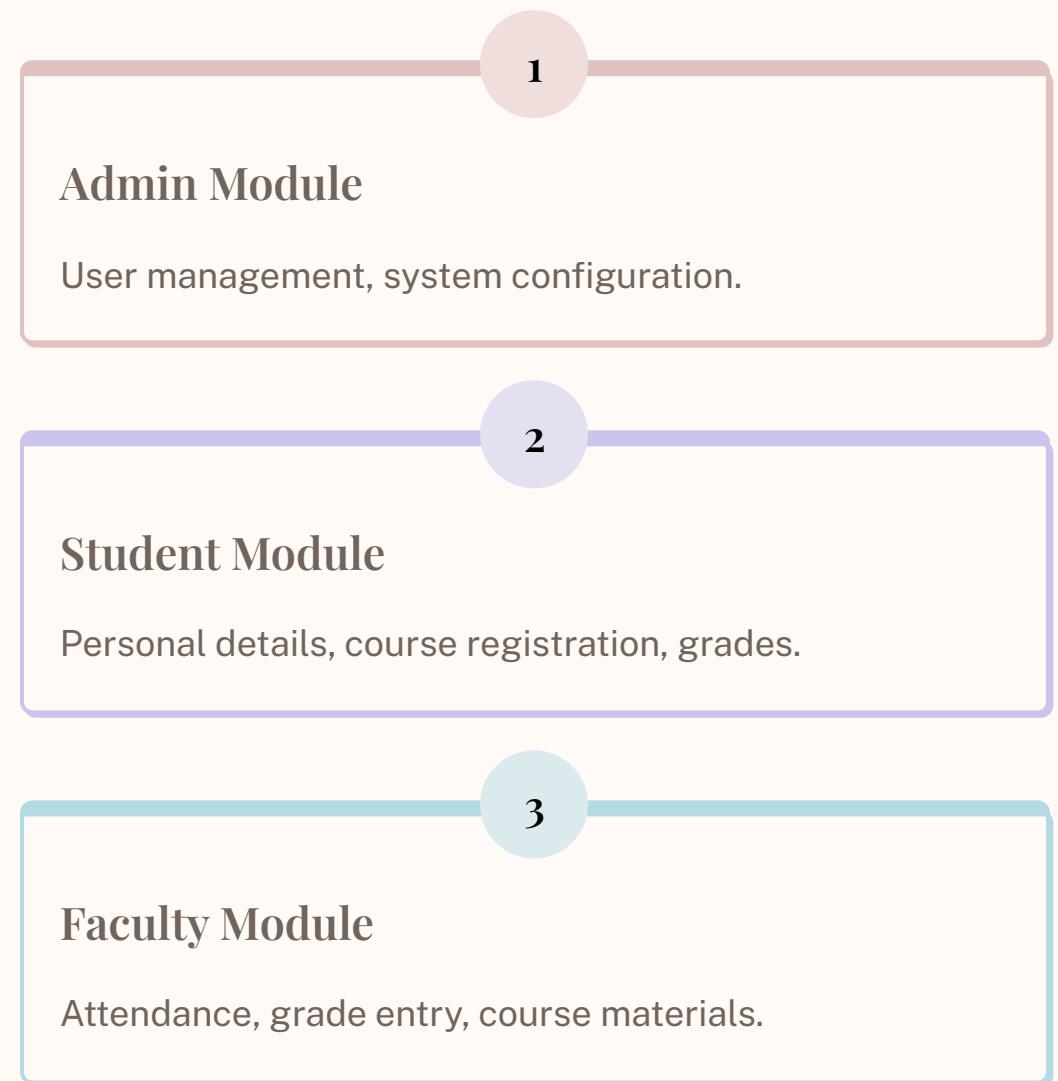
Performance insights and administrative data.

System Design: Database Schema and Module Breakdown

Database Schema (ER-Diagram)



Module Breakdown



Future Enhancements and Scalability

01

Mobile Application

Access on-the-go for students and faculty.

02

Payment Gateway Integration

Seamless fee collection and financial management.

03

Learning Management System (LMS)

Integration for course content and assignments.

04

AI-Powered Analytics

Predictive insights into student performance and retention.

Conclusion

This Student Management System aims to revolutionise academic administration, creating a more connected and efficient educational environment.

Thank you.