

# 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.

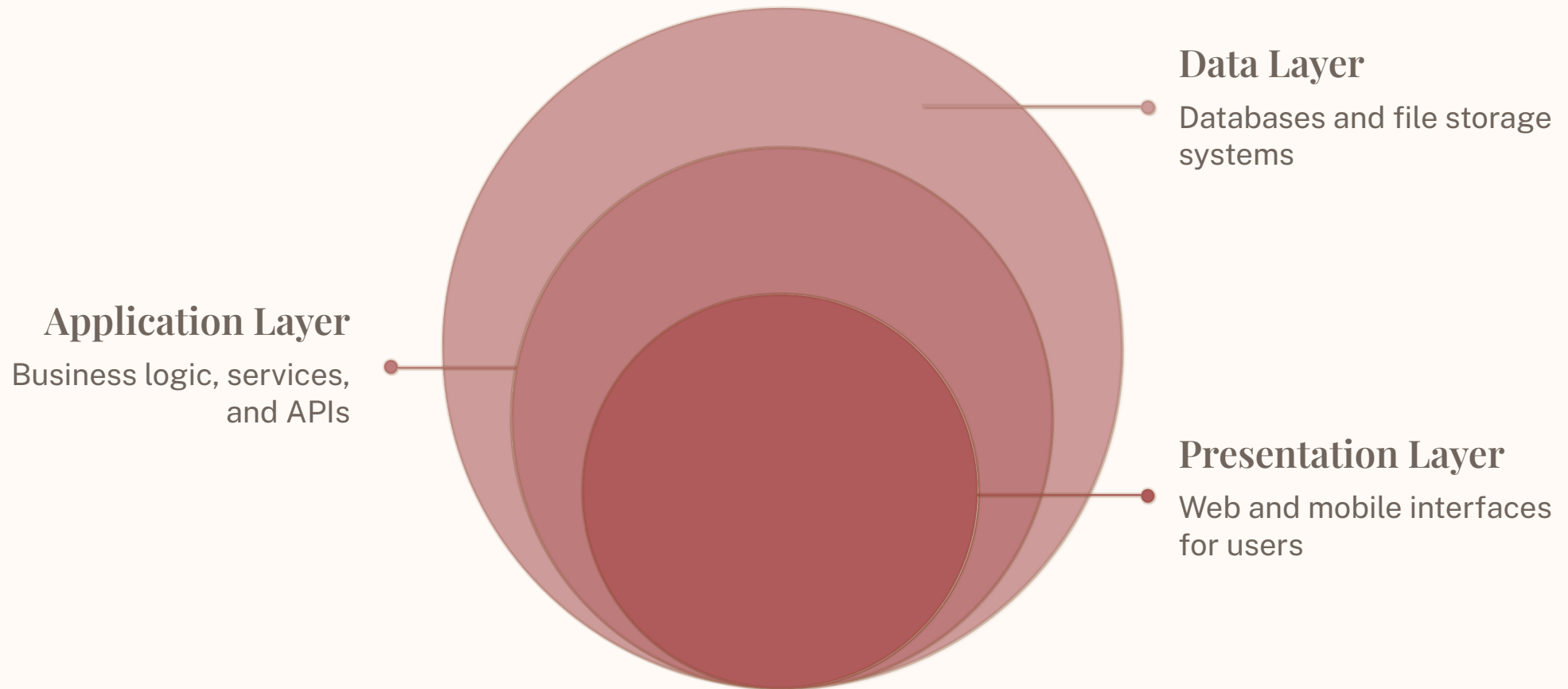
## → Lack of Transparency

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.



## Course Management

Enrolment, grades, and attendance tracking.



## Timetable Scheduling

Automated class and exam schedules.

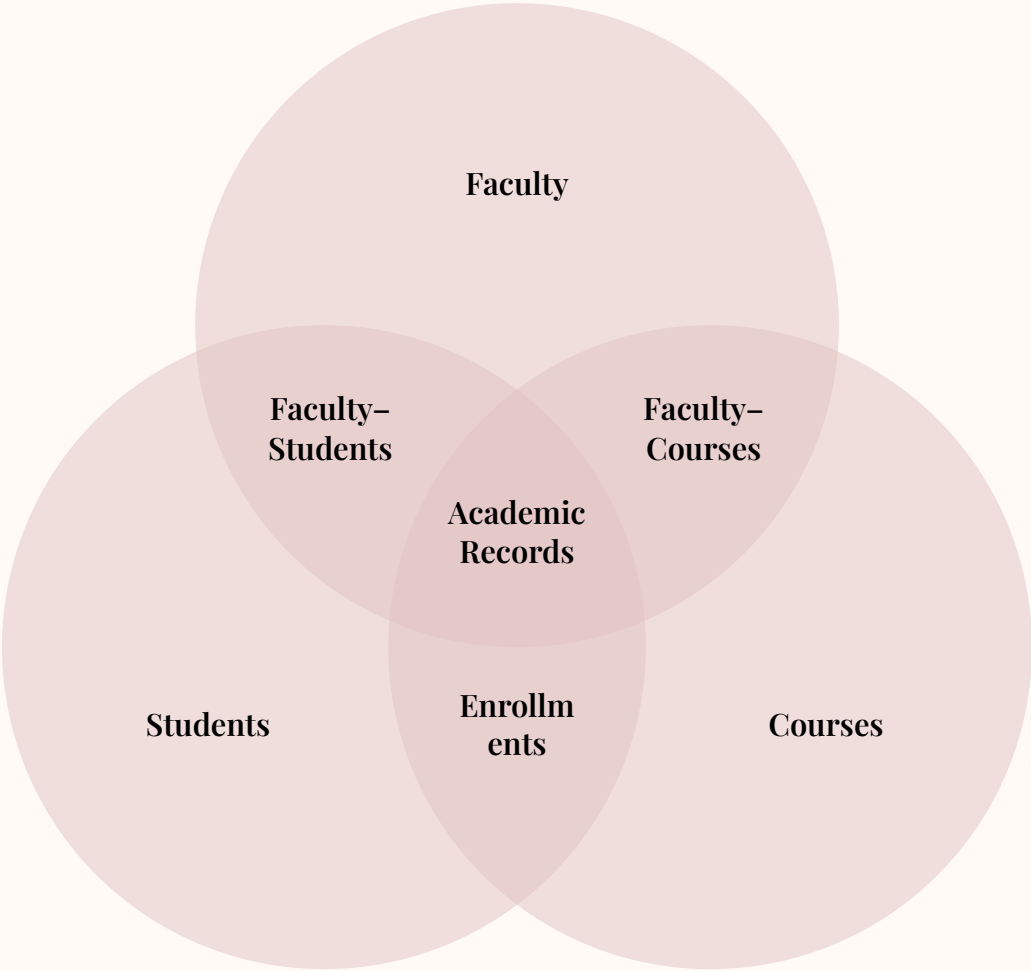


## Reporting & Analytics

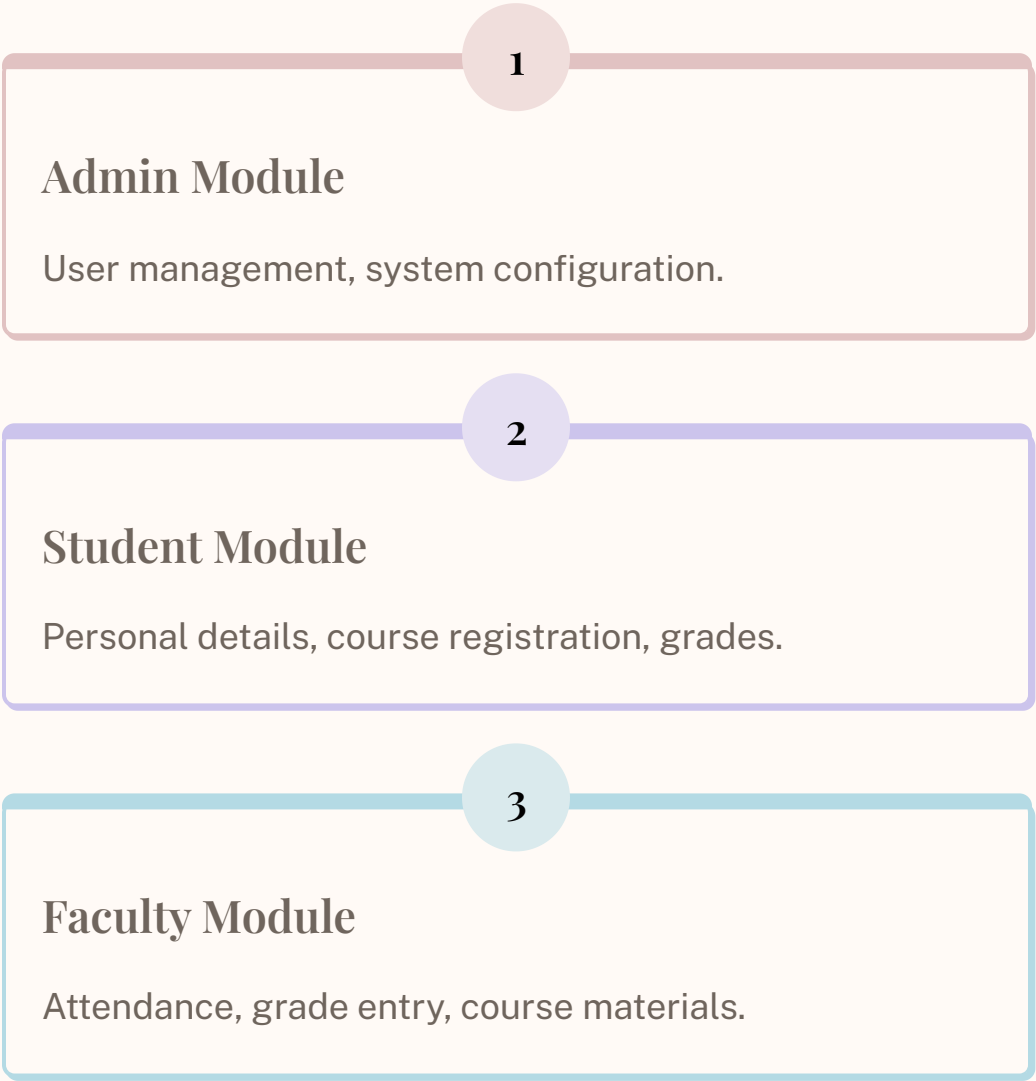
Performance insights and administrative data.

# System Design: Database Schema and Module Breakdown

Database Schema (ER-Diagram)



Module Breakdown



# Future Enhancements and Scalability

01

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## Mobile Application

Access on-the-go for students and faculty.

02

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## Payment Gateway Integration

Seamless fee collection and financial management.

03

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## Learning Management System (LMS)

Integration for course content and assignments.

04

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## 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.