

Acadexa

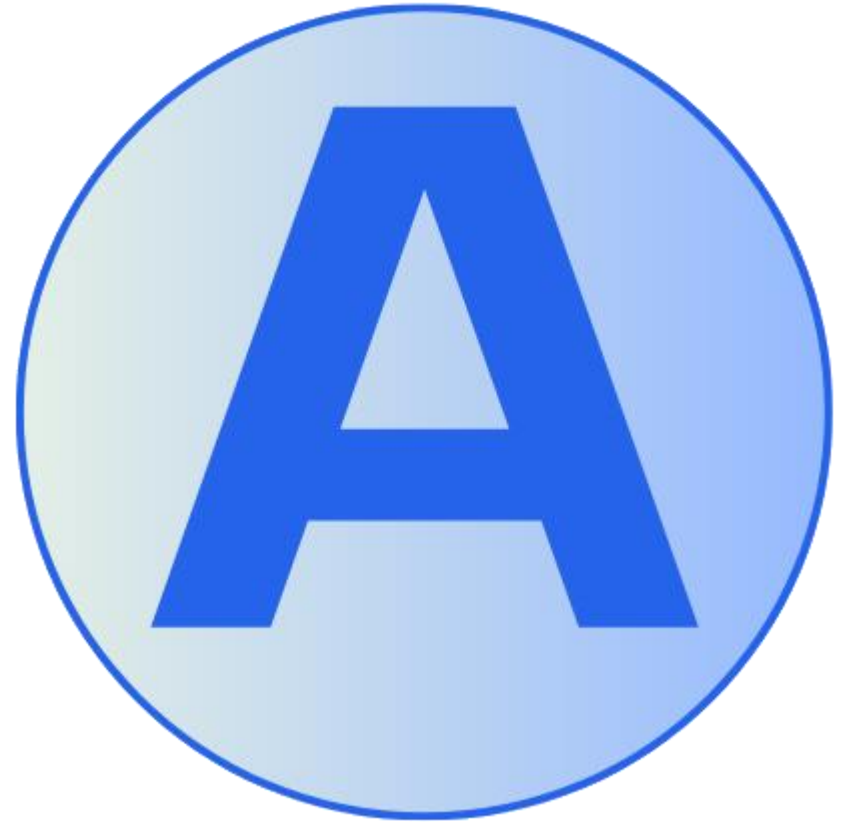
YOUR ONE STOP SOLUTION

Capstone Project (2025-26)

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Problem Statement

- Students face challenges in managing academic tasks.
- Lack of a unified platform for course updates, notifications, and resources.
- Existing solutions are fragmented and not student-centric.

Project Vision & Objectives

Our mission is to create a comprehensive student-centered mobile application that seamlessly integrates with the existing Acadexa web platform, transforming how students interact with their academic environment.

Real-Time Academic Access

Provide instant access to batch details, attendance records, and fee updates directly on mobile devices

Digital Assignment Management

Enable seamless assignment submissions and online examinations within the mobile application

Enhanced Peer Communication

Implement batch-specific chat functionality to foster collaboration and academic discussion

Accessible Learning Resources

Make study materials and faculty information available anytime, anywhere for continuous learning

Personalized Student Dashboard

Build an intuitive profile interface for comprehensive academic information management


Objective

- Develop a mobile app using **Flutter** for cross-platform support.
- Backend integration with **PHP & MySQL**.
- Provide secure login and personalized dashboards.
- Ensure smooth deployment and scalability.



 Enter your email

Set Password

 Sign in with Google

Technical Architecture & Innovation

The application leverages cutting-edge technologies to deliver a robust, cross-platform solution that meets modern educational demands while maintaining cost-effectiveness and reliability.

Frontend Development

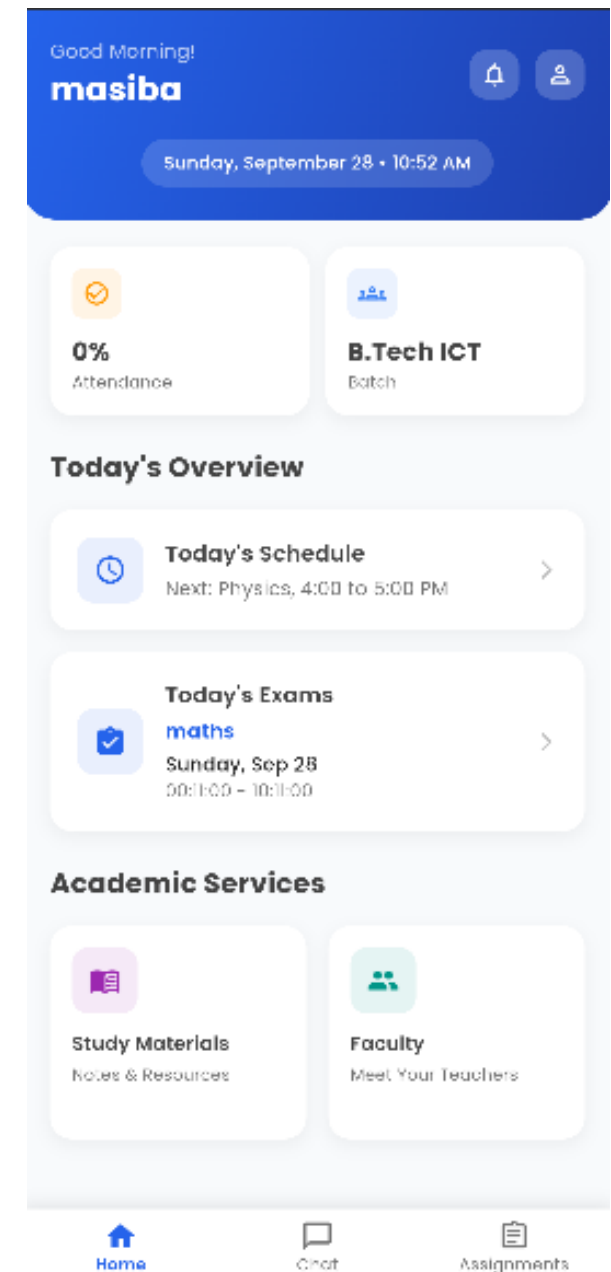
Built with **Flutter**, our cross-platform framework ensures consistent user experience across Android and iOS devices. This approach reduces development time while maximizing reach to all students regardless of their device preference.

Backend Infrastructure

The server-side architecture utilizes **PHP** for robust backend processing and **MySQL** for structured data management, ensuring secure and efficient handling of student information.

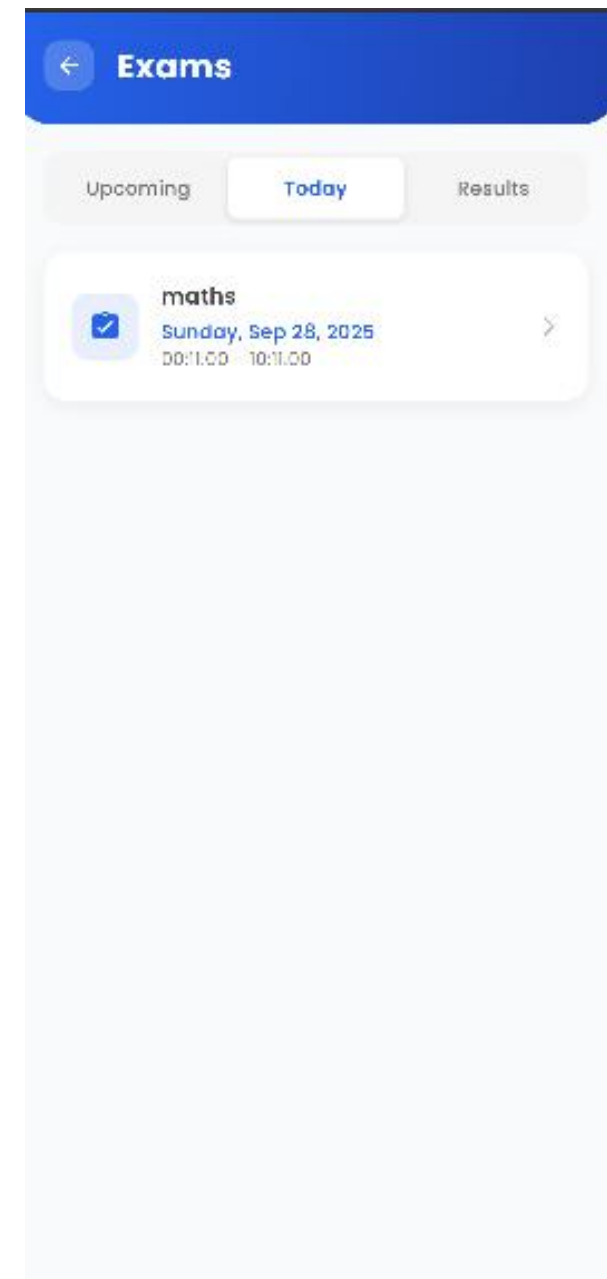
System Architecture

- Frontend:** Flutter (Android/iOS)
- Backend:** PHP APIs
- Database:** MySQL
- Hosting:** Web server for APIs & DB



Key Features

- Student login & authentication
- Course & subject management
- Notifications & announcements
- Assignment tracking
- User-friendly dashboard



Additional Features

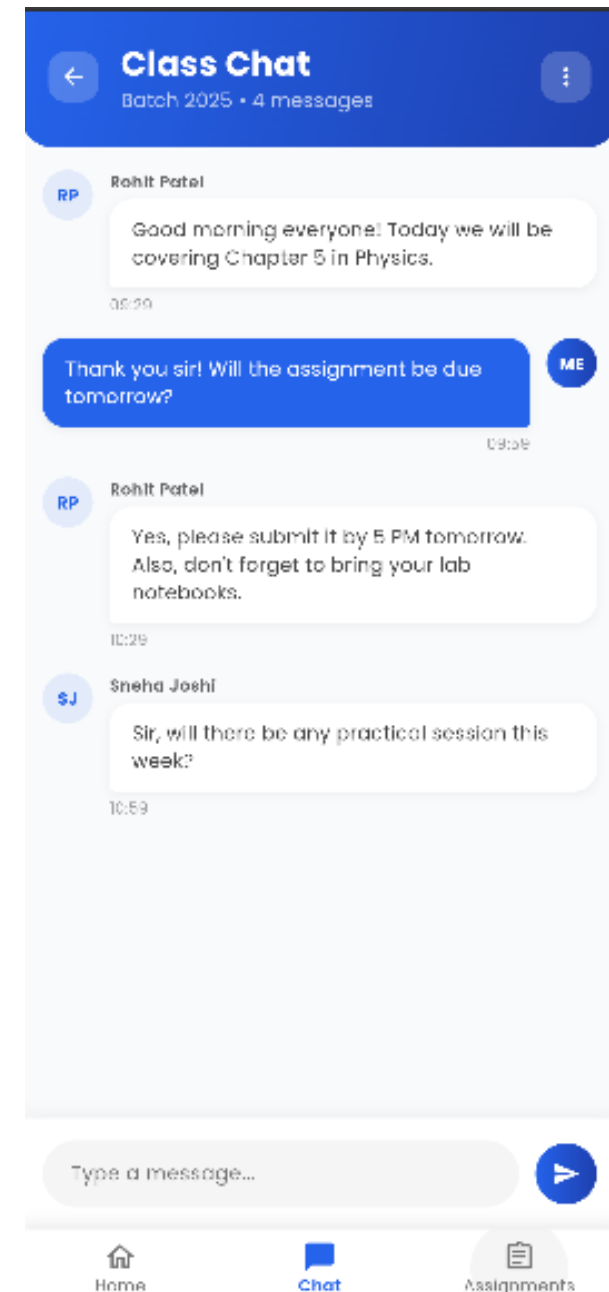
AI-powered performance tracking with predictive analytics

Gamification elements for student motivation

Integration with Google Calendar and Microsoft Teams

Offline mode for accessing downloaded resources

Push notifications for deadlines and updates



Future Enhancements

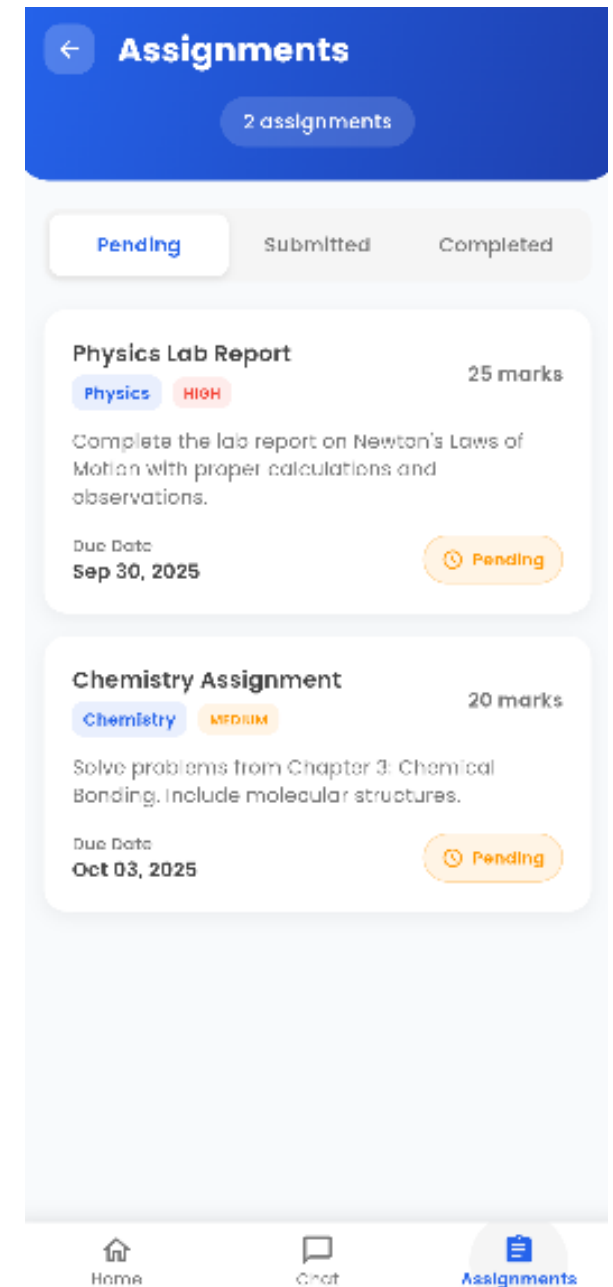
Integration with Learning Management Systems (LMS) like Moodle

AR/VR-based virtual classroom experience

Voice assistant support for accessibility

Data analytics dashboard for faculty and administrators

AI chatbot for instant query resolution



Project Impact

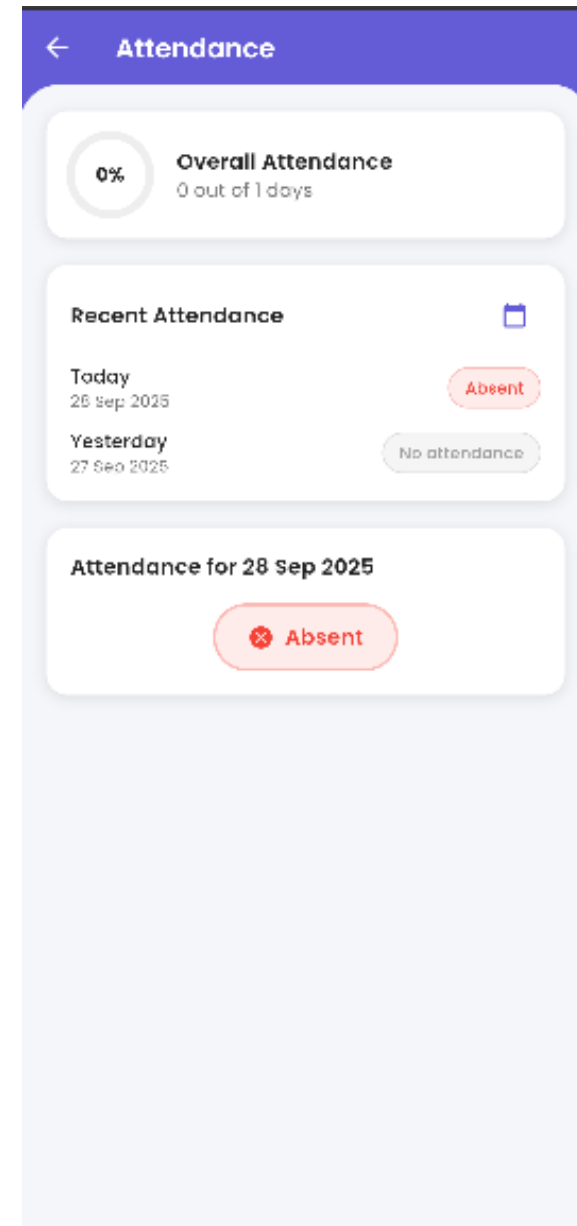
Improves student engagement and productivity

Reduces administrative workload through automation

Provides a unified digital ecosystem for academia

Encourages collaborative and peer-to-peer learning

Supports scalability for multi-institution adoption



< Your Batch



B.Tech ICT

4 Students • Year 2025-2026

Batch Details



Mentor

Rakesh Oza



Academic Year

2025-2026



Total Students

4

Next Class



Chemistry

Tomorrow, 3:00 - 4:00 PM

[Nil Patel](#)



Batch Students

U

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Active

D

Devangl

Active

< Faculty

4 Faculty Members



Rohit Patel

Physics



Contact

+91 98765 43210



Available

Mon-Fri, 9:00 AM - 12:00 PM

Contact

Schedule



Nil Patel

Mathematics



Contact

+91 91234 56789



Available

Mon-Fri, 1:00 PM - 4:00 PM

Contact

Schedule



Vishal Jani

Chemistry



Contact

+91 99887 77665



Available

Tue-Sat, 10:00 AM - 1:00 PM

Contact

Schedule

< Study Materials

Notes



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