



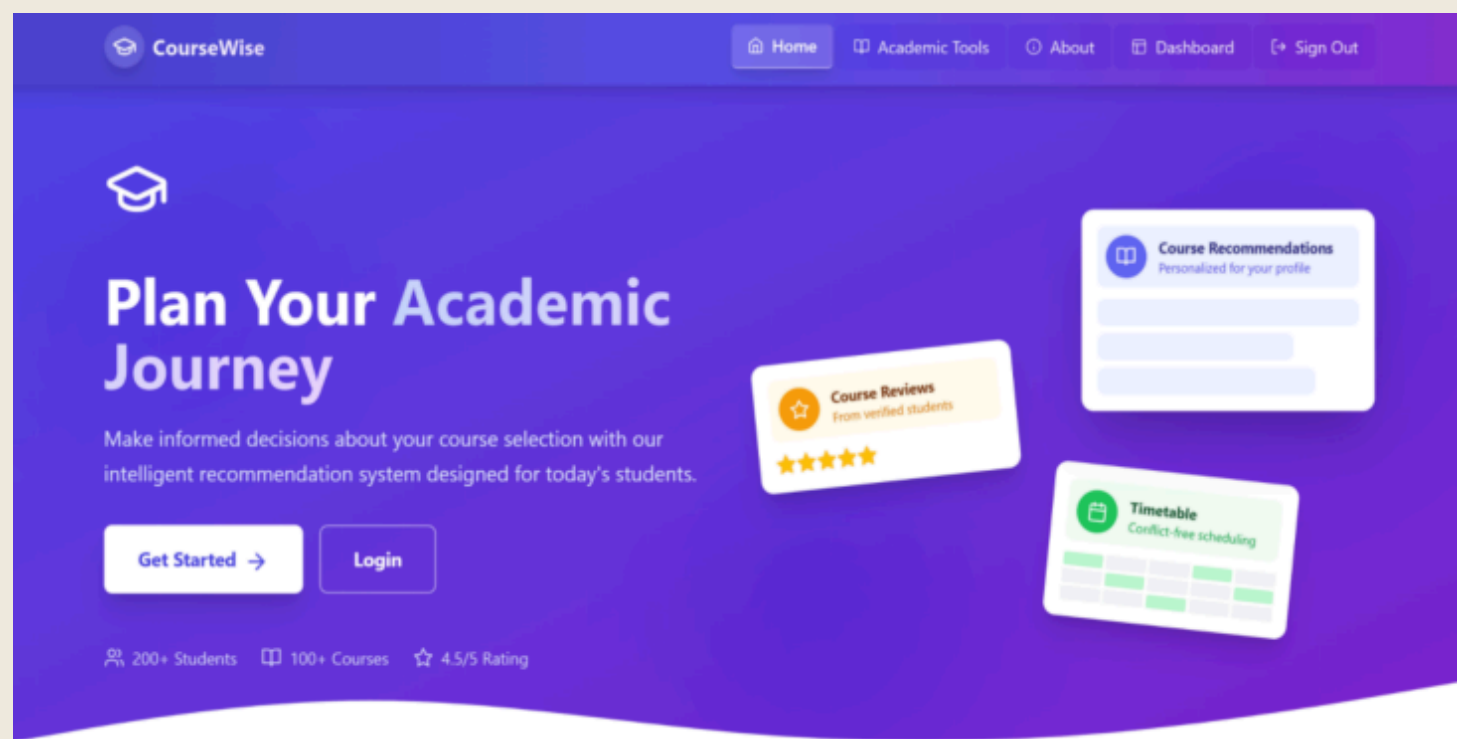
# CourseWise

A unified digital platform for informed and streamlined course selection.

Advisor: Dr. Anuj Grover

## MEMBERS

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## 01. Introduction

Students often face a disjointed and frustrating experience while selecting their courses each semester. Information is spread across multiple systems, making it hard to find and compare course details or prerequisites. There’s also a lack of structured peer feedback, leaving students to rely on informal suggestions. Manual timetable creation adds to the burden, increasing the risk of conflicts and errors. This time-consuming process can impact both academic performance and decision-making. CourseWise addresses these issues by offering a centralized and personalized platform for streamlined course planning.

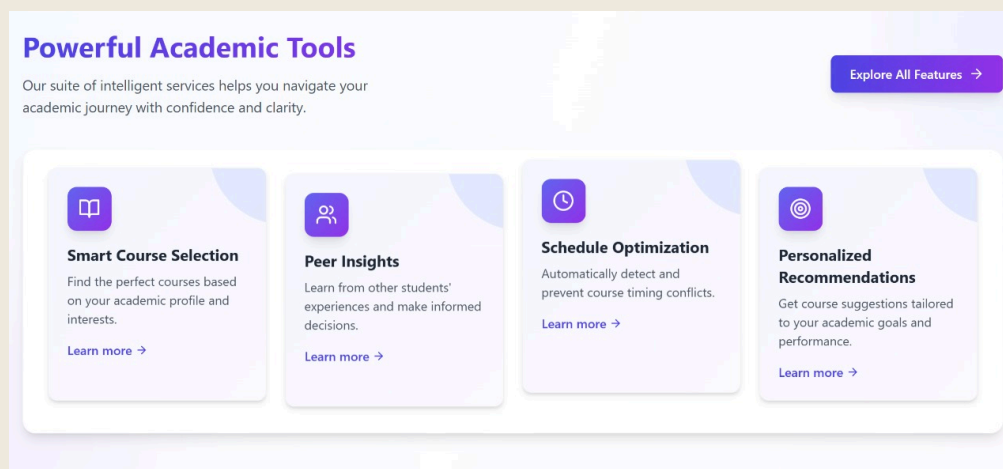
## 05. Key Features Developed

- **Course Catalog:** 150+ courses with filters and detailed pages.
- **Peer Reviews:** Multi-dimensional ratings, review moderation, and user profiles.
- **Timetable Builder:** Drag-and-drop, clash detection, and calendar export.
- **Authentication:** JWT, role-based access, Google OAuth.
- **Admin Dashboard:** Manage courses, users, reviews, and monitor platform activity.

## 02. Value Proposition: CourseWise Solution

CourseWise simplifies and enhances course planning by offering:

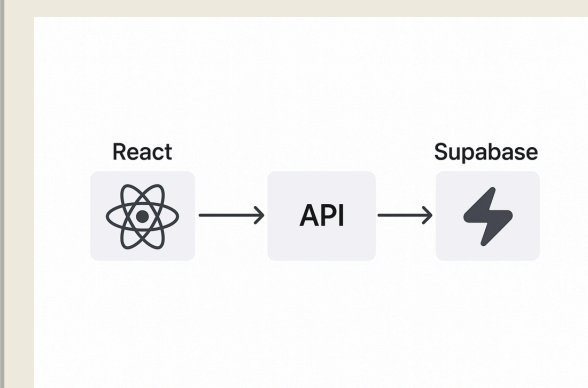
- **Unified Access:** One platform for course info, peer reviews, schedules, and academic tracking.
- **Smart Suggestions:** Personalized recommendations based on student profiles and interests.
- **Timetable Builder:** Drag-and-drop planner with real-time clash detection and calendar export.



## 03. Technology Stack & Architecture

- **Frontend:** React, Chakra UI, Framer Motion, React Router
- **Backend:** Supabase (PostgreSQL, Auth, Storage, RLS)
- **Deployment:** Vercel

### System Architecture Diagram:



## 04. Competitive Analysis

Platform	Strengths	Weakness
Shiksha	Extensive reviews & info	Static; no community-building
LinkedIn	Professional networking	No course-specific guidance
Instagram	Visual sharing	Scattered academic content
Discord	Community channels	Tech-heavy; not academic-focused

## 06. Challenges & Solutions

- **Limited Supabase Access:** Used a trial version of Supabase, so we couldn’t add courses or build a full backend.
- No existing course reviews, as this was our first version.
- **Dependency on Student Feedback:** ML model depends on student reviews, which are yet to be collected.

## 07. Future Work

- In the future, we plan to work on the machine learning (ML) model.
- All the remaining features need to be developed.
- We need to collect course reviews from students to train the model.
- As per Anuj Sir’s guidance, the goal is to deploy the system before the next pre-registration period.

## The Business Model Canvas

