StudyHive

The Peer-to-Peer Study Group Platform

Project Description

StudyHive is a web platform that connects students with similar academic goals into 'study hives' - focused groups where they can share resources, ask questions, and study together in real time. Think of it as a hybrid between Discord (community + live chat) and Notion (resource sharing).

Problem Statement

In online or hybrid education settings, students often:

- Feel isolated and lack a sense of community.

- Struggle to find reliable study partners.

- Miss out on peer-to-peer support, which is crucial for deeper understanding.

- Lack motivation without group accountability.

This can lead to lower engagement, poor academic performance, and higher dropout rates.

Solution Overview

StudyHive solves these problems by providing:

- Topic-based study hives.

- Resource sharing (notes, links, files).

- Real-time chat and collaboration.

- Scheduled study sessions.

- Community-driven Q&A.

- Gamification to boost motivation.

Competitive Advantage

- AI-matched study groups.

- Note rating & reputation system.

- Real-time collaboration tools (chat, live sessions).

- Gamification: points, badges, leaderboards.

Technical Architecture

- Backend: Node.js + Express (fast, scalable).

- Database: MongoDB (or PostgreSQL if relational preferred).

- Frontend: React.js or Next.js.

- Auth: JWT + OAuth (Google sign-in).

- Realtime: Socket.IO for chat and notifications.

- File Storage: Cloudinary or AWS S3.

- Hosting: Render, Vercel, or Railway.

Revenue Model

- Freemium: Basic features free.

- Premium: AI tutor, extra storage, private groups, custom themes.

- Sponsorships and B2B: Partnerships with schools and universities.

- Marketplace for premium notes or tutoring sessions.

- Commissions on paid study sessions.

User Journey

1. Sign up & describe study interests.

2. AI recommends best hives.

3. Access shared notes and live chat.

4. Join scheduled group sessions.

5. Earn points, build reputation, unlock premium features.

Call to Action

Join us in transforming the way students learn together.

Empower collaboration.

Build stronger learning communities.

Drive academic success.