

TEAM VIRTUSPHERE

TEAM MEMBERS:

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1. Title – Student Notes Sharing & Collaborative Learning Platform

This project focuses on creating a unified platform where students from schools and colleges can share their study material, access senior students' notes, generate crisp revision cheatsheets using AI, and interact with peers through an integrated chat system. The goal is to build a central academic community where learning becomes collaborative, quick, and easily accessible.

2. Objective

The primary objective of this platform is to simplify academic preparation by providing students with access to high-quality, student-generated notes and revision materials. It enables seniors to upload their complete notes, handwritten notebooks, previous papers, and exam tips for juniors. Alongside this, a chat feature allows students to ask doubts, discuss topics, and build peer-to-peer learning support. The aim is to reduce academic stress and encourage collaborative knowledge-sharing.

3. Tools Used

The platform integrates:

- A cloud-based document upload & storage system for sharing notes
- AI-based summarisation and conversion tools for generating cheatsheets
- A secure chat system supporting one-to-one and group discussions
- A subject-tagging and search engine for notes discovery
- A web/mobile interface focused on simplicity and student usability

Together, these tools create a smooth environment where students can upload, access, and discuss educational resources.

4. Methodology

The process begins with users creating an account and selecting their college/class/branch/semester.

Seniors or any student can upload notes, PDFs, images, previous year papers, or personally prepared study guides. Uploaded materials are automatically organised into subject-wise libraries.

Students may also submit handwritten notes, which the AI engine can convert into digital cheatsheets for faster revision.

The chat system connects students across years and subjects, allowing them to ask doubts, form study groups, and discuss topics in real time.

A rating mechanism ensures high-quality notes appear at the top of the library.

5. Output

The final output is a complete learning platform where:

- Students can download and read notes uploaded by seniors
- AI generates instant, crisp revision sheets from long notes
- A subject-wise library is always growing with new student uploads
- Students can chat to ask doubts, share tips, and collaborate
- The platform becomes a one-stop space for revision, notes, and peer help

6. Result

The platform significantly reduces the effort required to prepare for exams.

Students get instant access to reliable notes from seniors, removing dependency on last-minute notes sharing.

The chat system reduces hesitation in asking doubts and builds a supportive study circle.

AI-driven cheatsheets improve revision speed and learning outcomes.

Overall, it modernises learning by blending community contributions with smart technology.

7. Conclusion

This project shows how combining AI with student-driven knowledge sharing can transform academic preparation. The platform creates a collaborative digital ecosystem where learning is simplified, doubts are solved faster, and high-quality notes are available to everyone. It empowers students by making education community-driven, accessible, and efficient.

8. Project URL

<https://my-site-qkf6t6vn-yashaswinibommena.wix-vibe.com/>

9. GitHub Profile

<https://github.com/BommenaYashaswini>

<https://github.com/shruthipullela>

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