



Department of Computer Science and Engineering College(Cyber Security), Ajmer

STUDY SMART PRESENTATION



Presented By :

- 1) Shishpal Rawat
- 2) Saransh Kachhawa
- 3) Uttam Janghir
- 4) Aaradhyा Joshi

Supervisor :

Sammah Rasheed

OVERVIEW

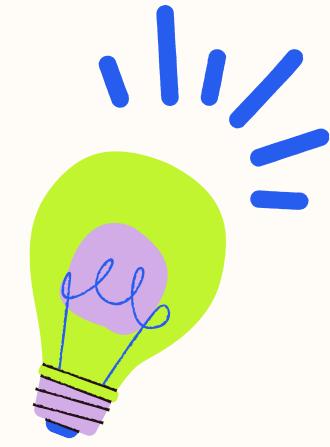
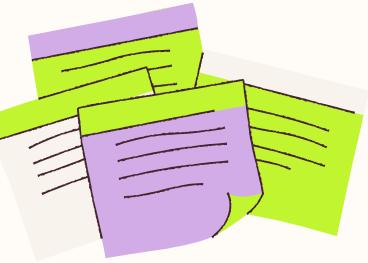
What is Study Smart?

The “Study Smart” platform is designed to help students learn new skills through online course videos. It uses AI to analyze YouTube educational videos, generate concise notes, and create quiz questions based on the video content.

This allows students to focus on key takeaways without watching the full video again and test their understanding through questions generated from the content.

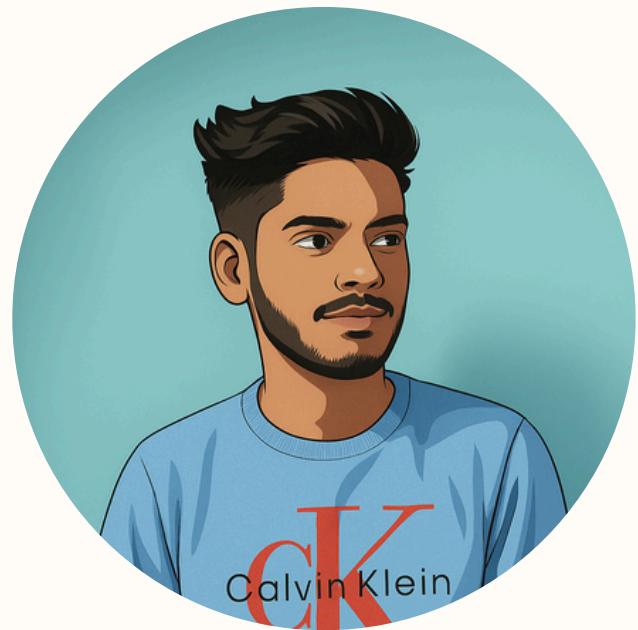
TEAM

MEET THE TEAM



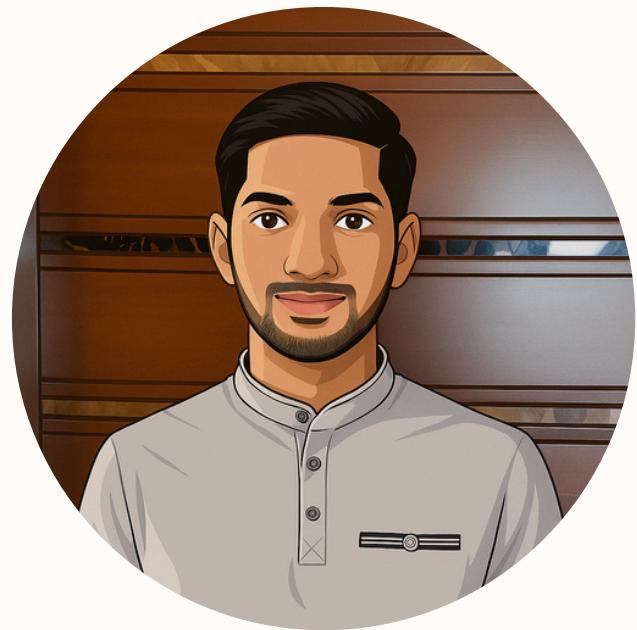
SHISHPAL

(22CYBER46)



SARANSH

(22CYBER45)



UTTAM

(22CYBER54)



AARADHYA

(22CYBER01)

PROBLEM STATEMENT

The Process Gap

**On YouTube, the learning content is very disorganized.
Students can't trust any video that will provide them
with valuable content.**

**No easy way to summarize or test learning from YouTube
videos.**

**Need for a smarter, automated tool to turn videos into
learning resources.**



OUR SOLUTION

Study-Smart

Structured Platform

Providing students with a structured platform to learn in-demand skills.

Automated Learning

**Convert YouTube
videos into notes and
important questions.**

Expensive Courses

Reducing over-reliance on theory and increasing practical skill acquisition.

KEY FEATURES

AI

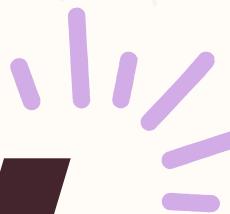
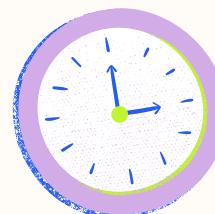
- Fetches and processes the video transcript
- Generates important notes from the video.
- Creates quiz questions based on the content.

User can also upload their course.

Any student can upload their course as well to get the impressions.

Sorted Courses

No worry to find courses, we have sorted all the courses according to your preference.



IDEA/ SOLUTION/ PROTOTYPE



Idea

Problem: Students forget most of what they watch in YouTube lectures.

Idea: Convert YouTube videos into easy notes and quizzes using AI – making learning faster and smarter.

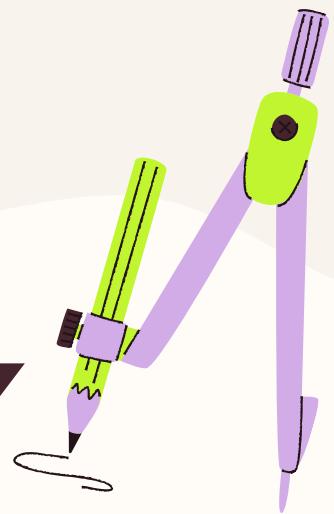
Solution

- Paste a YouTube link
- AI extracts transcript → creates notes + MCQs
- Learn without watching full video again.
- Simple, fast, and useful for revision.

Prototype

- Click “Generate Notes” button
- Enter YouTube link in modal.
- AI shows:
 - Important Notes
 - Quiz Questions
- Built with: Node.js, YouTube API, OpenAI, HTML/CSS, Gemini.

TECHNOLOGY



HTML



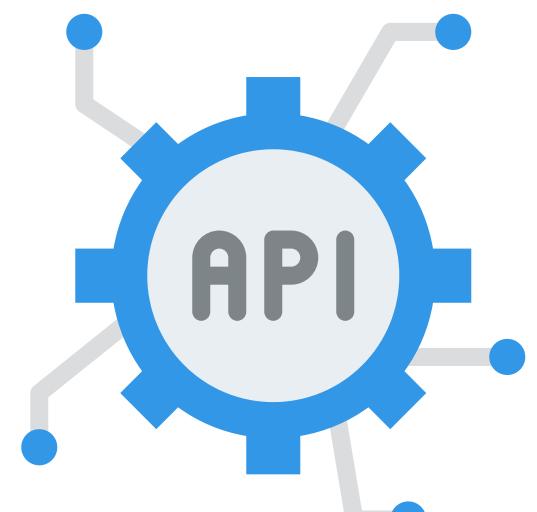
CSS

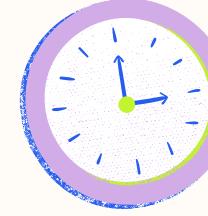


JS



API's





USE CASES

STUDY SMART





For Students:

- Learn from YouTube in less time.
- Generate notes automatically.
- Practice quizzes after each lesson.



For Teachers:

- Recommend summarized learning content.
- Track student understanding through generated questions.
- Save time preparing notes.



For Institutions:

- Reduce content delivery efforts.
- Enable self-paced learning tools.
- Integrate AI-powered modules into LMS.

ECONOMIC LOGIC



Market Opportunity

The online education market in India is expected to surpass \$10 billion by 2025. Students increasingly rely on platforms like YouTube for learning, creating a need for smart summarization tools.



Revenue Model

- Freemium model: Basic summarization free, premium features (e.g., unlimited quizzes, AI revision, downloadable PDFs) behind paywall.
- Ads and Sponsorships: Collaborate with EdTech brands and tools.
- Certificates: Offer AI-generated course completion certificates.



Cost Advantages

- Minimal development cost using free APIs and open-source tech.
- Once content logic is built, it's scalable with low server costs.
- No video hosting—only processing YouTube links, reducing infrastructure needs.



Why It's Viable

- High demand, low-cost solution for students.
- Students are actively looking for smart alternatives to traditional course platforms.
- Offers value with speed—turn 20-min video into 2-min notes.



**THANK YOU
SO MUCH**

