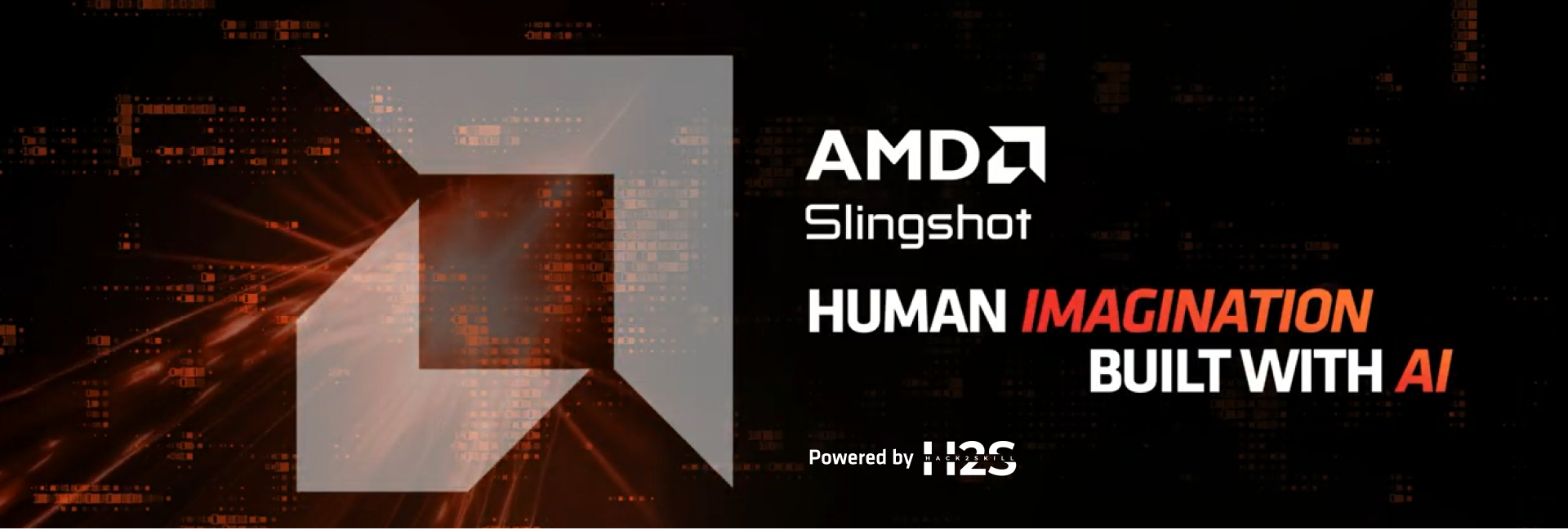


Team Details

- ➔ Team name - CloseStaxk
- ➔ Team leader name - Aditya Nishad

Problem statement —

Type hereStudents often struggle with large study materials, lengthy notes, and limited revision time before exams. Traditional study methods make it difficult to quickly understand key concepts and identify important topics. This leads to poor time management and low learning efficiency.
Our project aims to solve this problem using AI by automatically summarizing notes, generating important questions, and helping students revise faster and smarter.

Brief about the idea —

- Our project, AI Study Assistant, is an AI-powered learning solution designed to help students study more efficiently. The system analyzes study notes or learning content and automatically generates concise summaries, important questions, and quick revision material.
- The main goal is to reduce study time, improve understanding, and make exam preparation smarter and easier. By using Generative AI, the platform provides personalized learning support and helps students focus on key concepts instead of reading lengthy materials.

Opportunities

- ➔ How different is it from any of the other existing ideas?
- ➔ How will it be able to solve the problem?
- ➔ USP of the proposed solution

How different is it from existing ideas?

Unlike traditional learning apps that only provide static notes, our AI Study Assistant uses Generative AI to automatically summarize study material, generate important questions, and provide personalized revision support.

How will it solve the problem?

- The system reduces students' study time by converting long notes into short summaries and exam-focused content. This helps students understand key concepts quickly and prepare more effectively for exams.

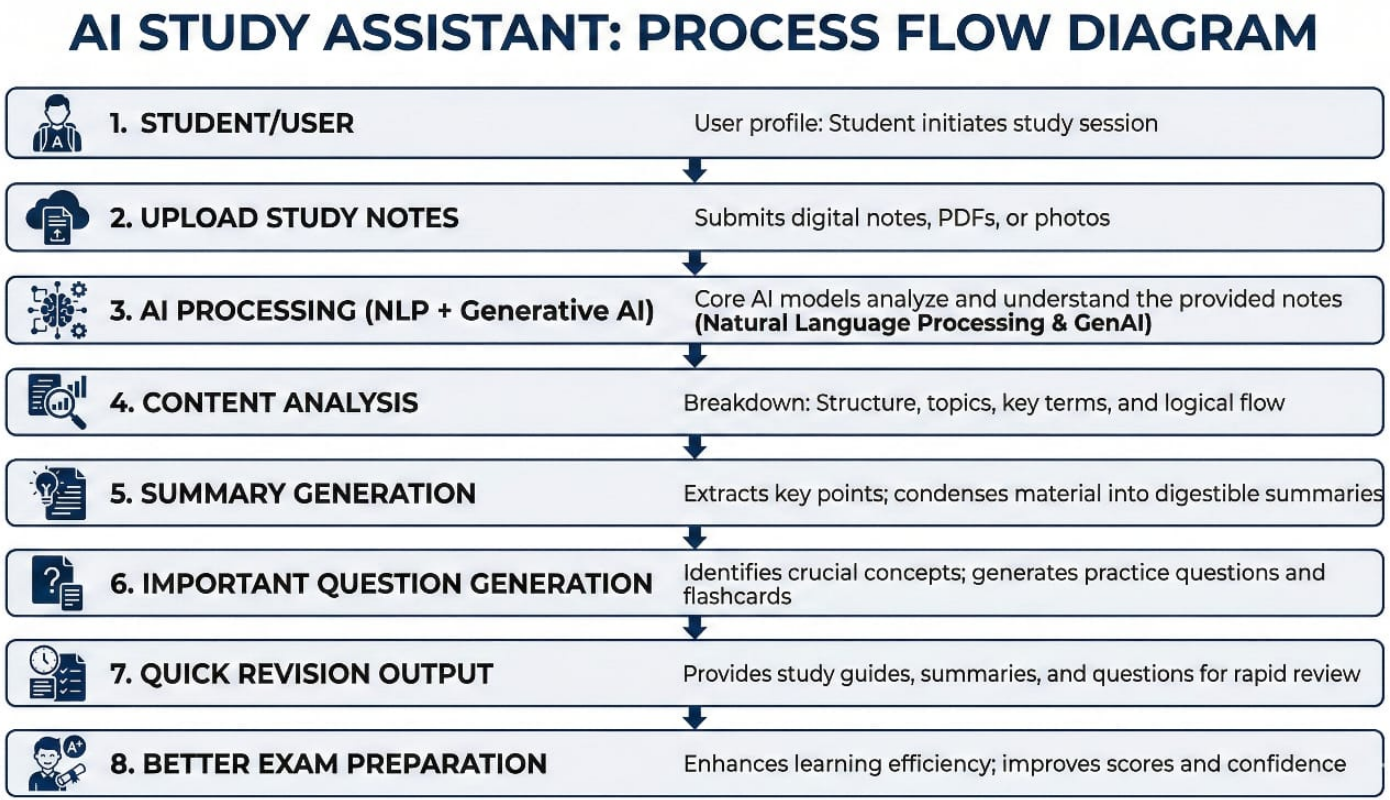
- USP of the proposed solution

- AI-powered smart summarization
- Automatic question generation
- Fast revision support
- Student-focused and easy to use

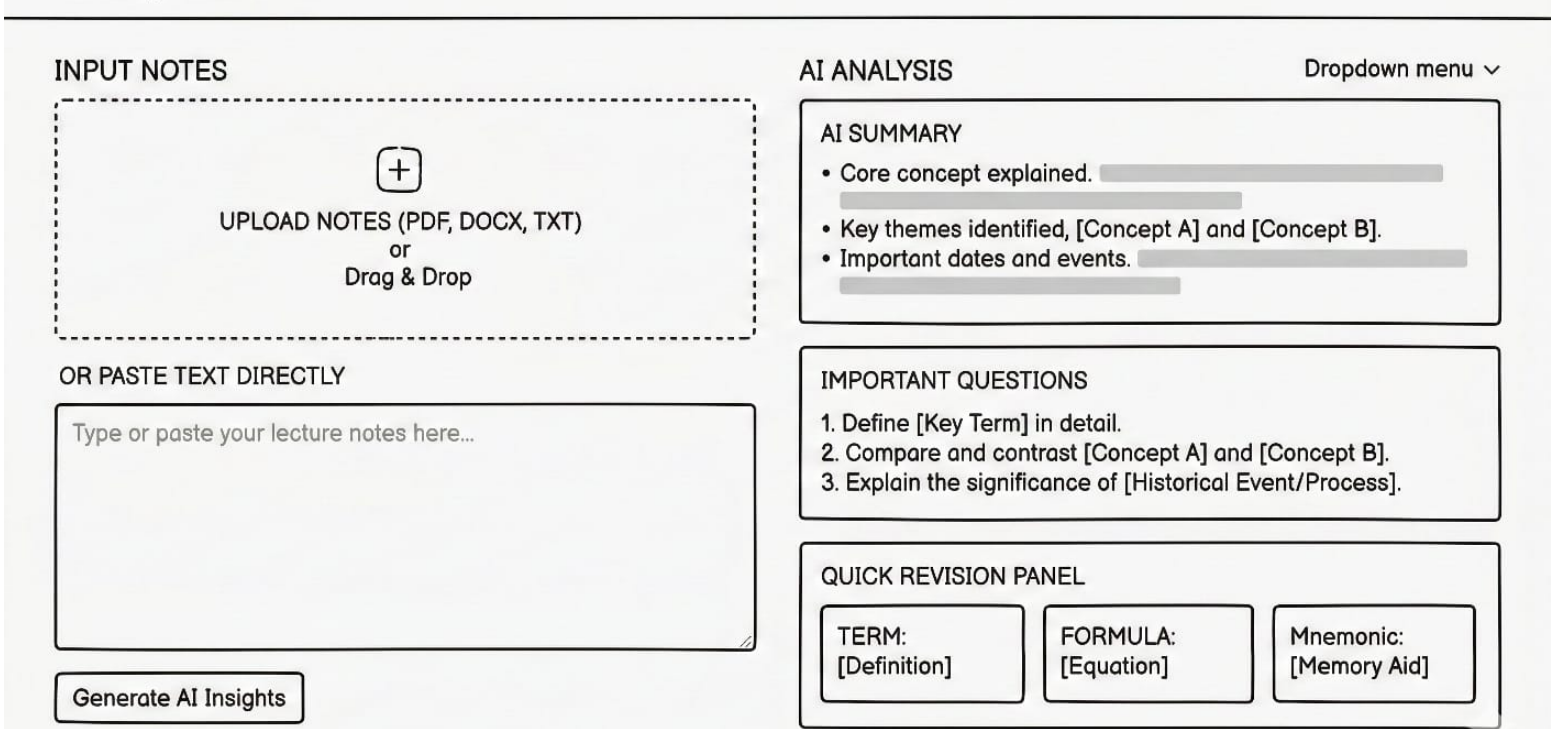
List of features offered by the solution

AI-based notes summarization
Automatic important question generation
Quick revision mode for exams
Key concepts & highlights extraction
Simple and student-friendly interface
Time-saving smart study support
Personalized learning assistance
Easy access from web/mobile platform

Process flow diagram or Use-case diagram

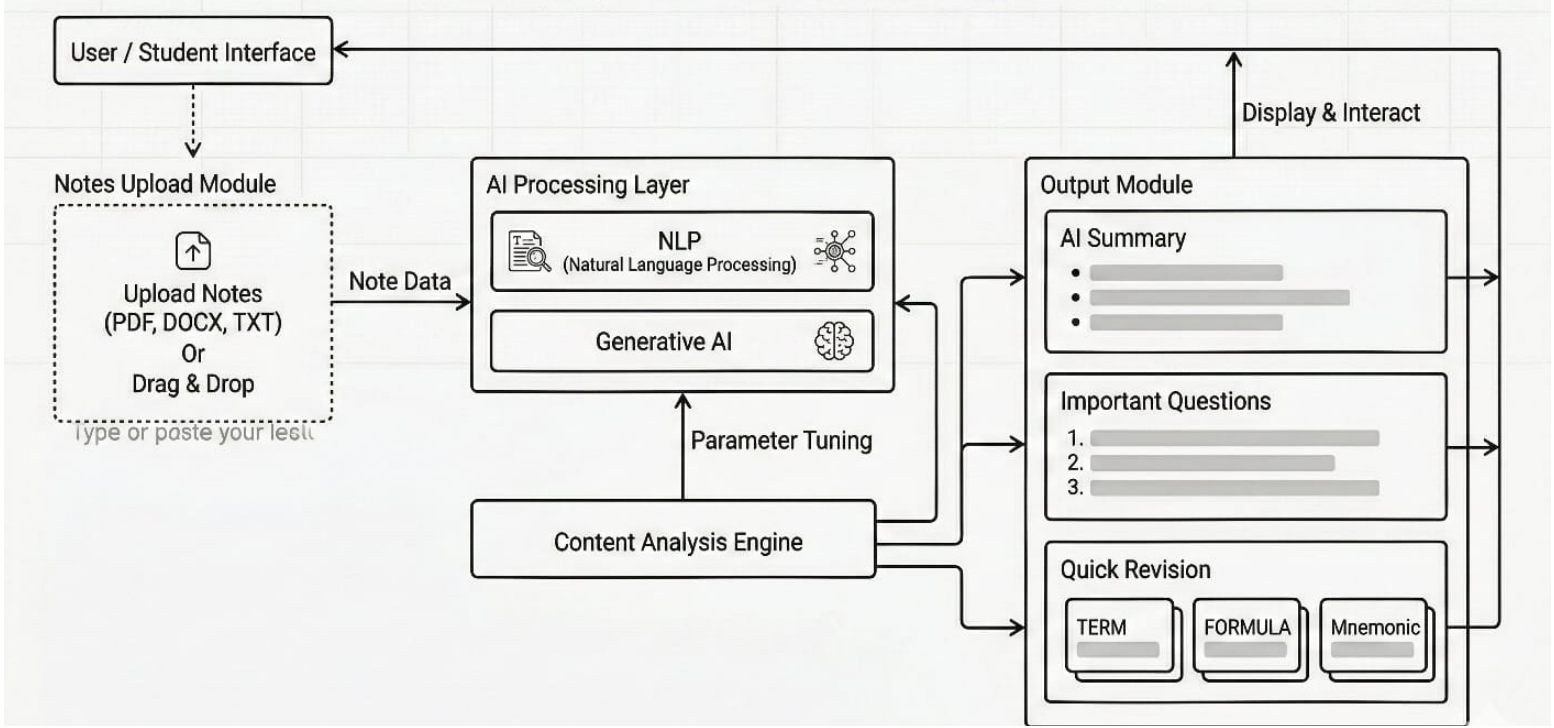


Wireframes/Mock diagrams of the proposed solution (optional)



NoAI Study Assistant – Proposed UI Wireframe

Architecture diagram of the proposed solution



AI Study Assistant – System Architecture Diagram

Technologies to be used in the solution

Python – Core programming language
Natural Language Processing (NLP) – Text analysis and understanding
Generative AI / LLM – Summary and question generation
Machine Learning Algorithms – Content analysis and optimization
Streamlit / Web Interface – User interaction and dashboard
GitHub – Version control and project management
Cloud / Local Storage – Notes and data storage here

Usage of AMD Products/Solutions

The solution is designed to run efficiently on AMD Ryzen™ processors for fast AI computation and smooth performance.
AI model processing and data analysis can leverage AMD CPU/GPU acceleration for better speed and efficiency.
AMD hardware enables reliable performance for running NLP and Generative AI workloads.
The project is optimized to support scalable AI applications on AMD-powered systems.Type here

Estimated implementation cost (optional)

Development Cost: ₹0 (Student Prototype / Hackathon Project)
Software Tools: Open-source / Free tools used
Cloud / Hosting (optional): ₹500 – ₹1000 per month
Hardware Requirement: Standard laptop (AMD Ryzen compatible)
Maintenance & Updates: Minimal (prototype stage)
Total Estimated Cost: Low-cost, student-friendly AI solution.

Prototype Assets (Optional)

- ➔ GitHub Public Repository Link
- ➔ Demo Video Link (Max: 3 Minutes)

https://github.com/codeby-Ayush-Git/ai-study-assistant

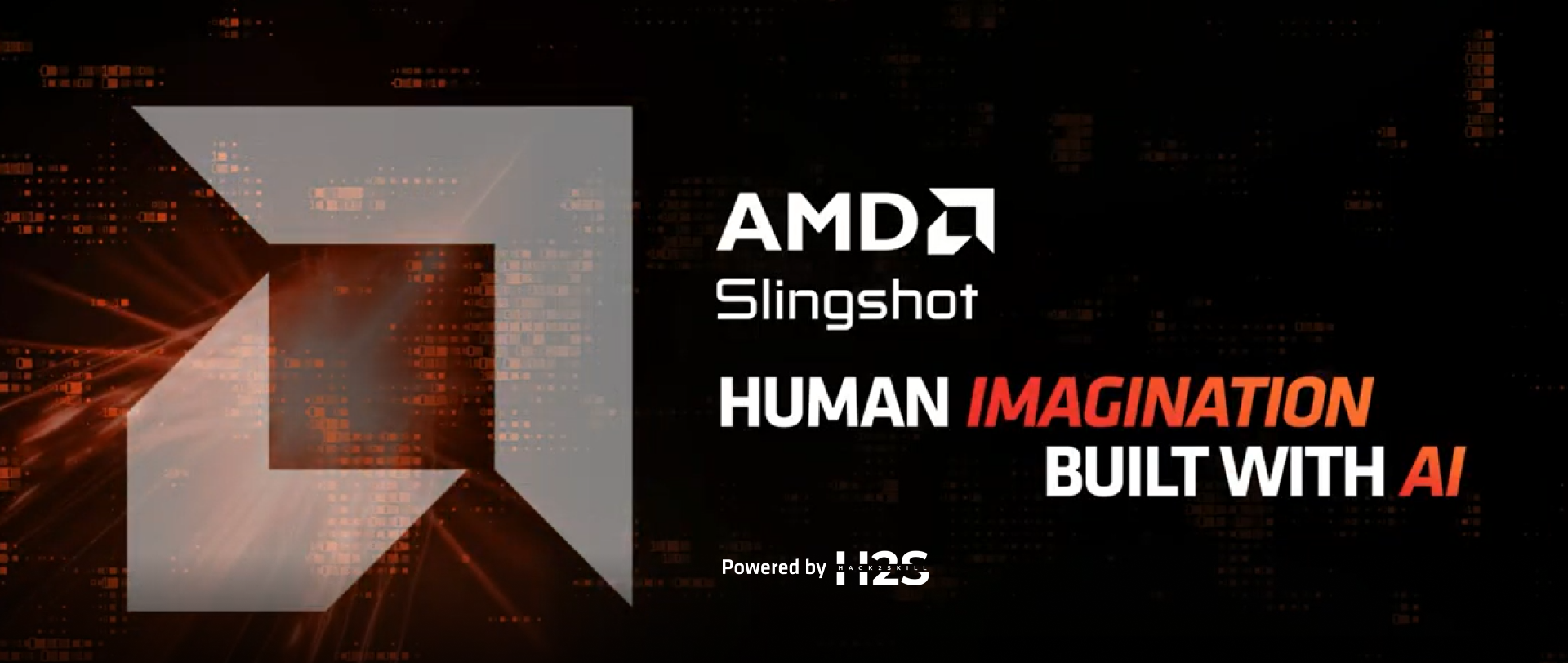
GitHub Public Repository:
https://github.com/codeby-Ayush-Git/ai-study-assistant

Demo Video:
Currently under development (Prototype architecture completed).

Add as per the requirements of the contest

Prototype Assets

GitHub Public Repository:—
https://github.com/codeby-Ayush-Git/ai-study-assistant


AMD
Slingshot
HUMAN IMAGINATION
BUILT WITH AI
Powered by H2S

Thank you!