

Lecture AI

An AI-powered platform that breaks down university lectures into digestible notes and essential insights — so students can focus on understanding, not note taking.



VALIDATING

The Problem

Over the last quarter, we spoke to students to better understand their post-lecture challenges — revealing clear pain points and what they truly need after class.

78%

Students rewatch lectures due to missed insights

Rewatching wastes time; highlighting the need for better learning tools.

500+

Students face issues with current transcription

The absence of proper captions and usable transcripts makes it hard for students to follow along or revise.

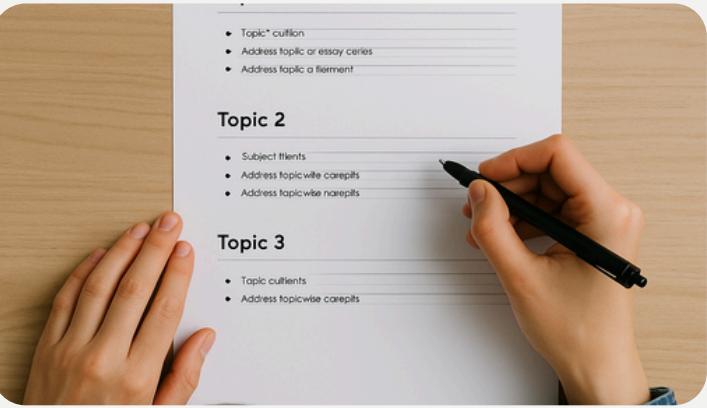
200+

Chinese Students would prefer inline Mandarin support

Making a strong case for integrating Mandarin summaries into post-lecture materials.

INTRODUCING

Our Solution



01

Get Topic-Wise, Segmented Notes

Lectures are packed with insights that never make it to the slides — so students end up learning instead of writing. Lecture AI captures it all and delivers clean, topic-wise notes.

02

Accurate Captions for Every Accent and Concept

Most captions miss accents and technical terms, leaving students confused. Lecture AI is fed academic data for accurate, context-aware captions every time.

03

Bilingual Notes That Bridge the Language Gap

Lecture AI creates bilingual notes in English and Mandarin — helping students learn in the language they're most comfortable with.

THE PROCESS

How it Works

01.

Lecture Happens As Usual

The lecture is conducted over Zoom with audio recording enabled—requiring no change to the instructor's usual workflow.

03.

Context Aware Correction Layer

The transcript is refined using course-specific materials, ensuring accurate terminology, definitions, & context

02.

Audio Retrieved & Transcribed

Lecture AI processes the recording and generates a raw transcript using a state-of-the-art speech-to-text model.

04.

Captions Generated from Corrected Transcript

The cleaned transcript is converted into accurate, time-aligned captions to embed directly in the lecture video.



THE PROCESS

How it Works

05.

AI-Generated Structured Notes

The corrected transcript is analysed by the LLM to create topic-wise notes with key takeaways, formulas, and definitions.

07.

Mandarin Translation & Formatting

Summaries are translated into Mandarin and compiled into clean, bilingual Word/PDF documents.

06.

Lecturer/TA Review & Approval

Draft notes are shared with the lecturer or TA, who can add, remove, or adjust content before student release.

08.

Final Delivery: Notes + Captions

The approved notes are sent to the lecturer, and captions are embedded or sent along with the lecture video for student access.

Core Features

01

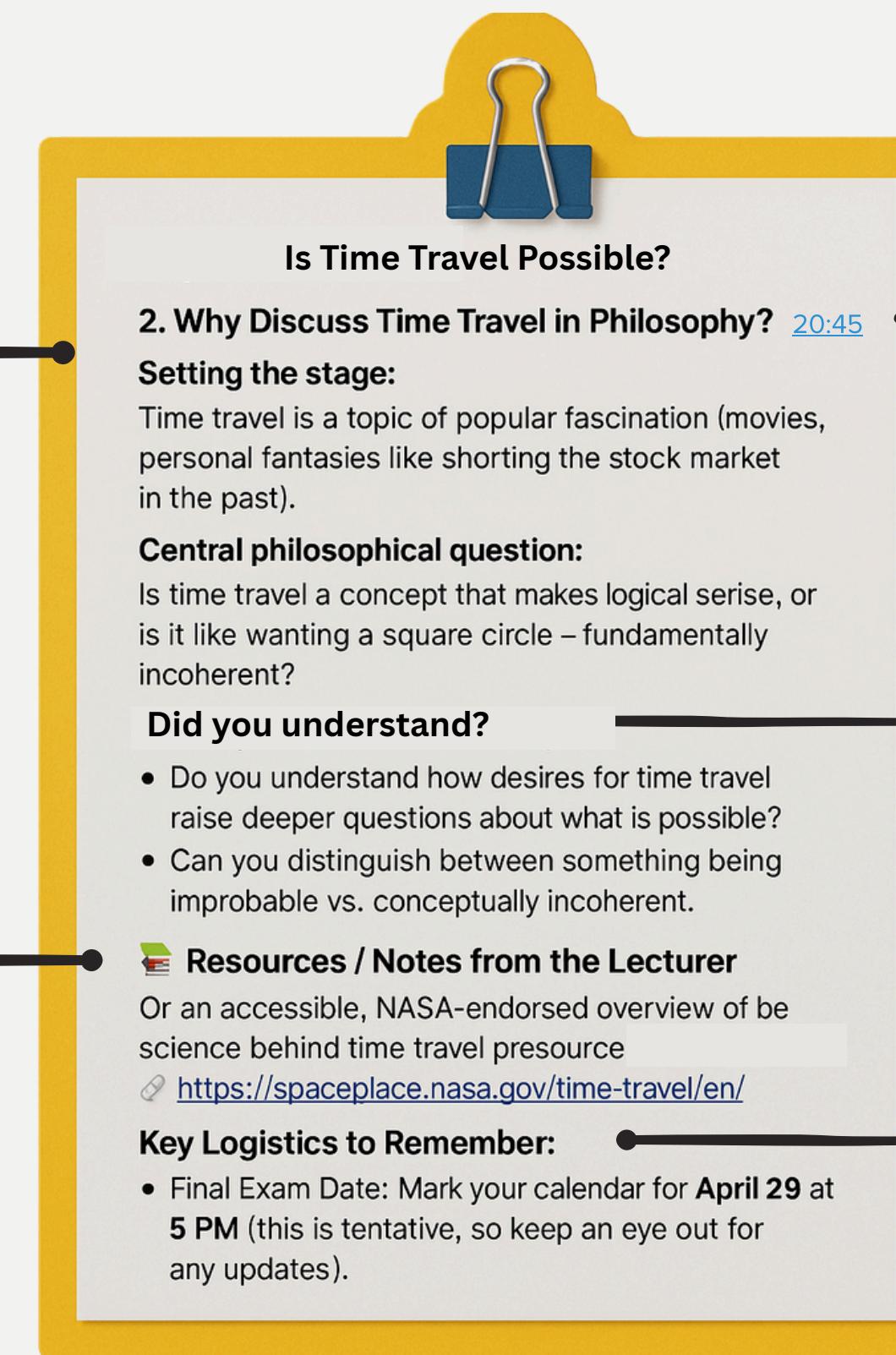
Topic-Wise Notes

Breaks the lecture into logically segmented topics with clearly structured content — so students don't have to hunt for where one idea ends and another begins.

03

Resources from the Lecturer

Gives instructors a space to add helpful links, clarifications, or follow-up notes they may have missed during the lecture — making sure nothing important gets left behind.



Is Time Travel Possible?

2. Why Discuss Time Travel in Philosophy? [20:45](#)

Setting the stage:
Time travel is a topic of popular fascination (movies, personal fantasies like shorting the stock market in the past).

Central philosophical question:
Is time travel a concept that makes logical sense, or is it like wanting a square circle – fundamentally incoherent?

Did you understand?

- Do you understand how desires for time travel raise deeper questions about what is possible?
- Can you distinguish between something being improbable vs. conceptually incoherent?

Resources / Notes from the Lecturer
Or an accessible, NASA-endorsed overview of the science behind time travel resource
<https://spaceplace.nasa.gov/time-travel/en/>

Key Logistics to Remember:

- Final Exam Date: Mark your calendar for **April 29** at **5 PM** (this is tentative, so keep an eye out for any updates).

timestamps linked to lecture video

02

Check-points after Each Topic

Simple reflection questions embedded after each section help reinforce understanding and ensure no key concept slips through the cracks.

04

Action Items & Key Logistics

Auto-detects deadlines and important announcements from the lecture — reducing the chances of missing key academic tasks.

OUR USP

What sets us apart

1. Seamless Canvas Integration

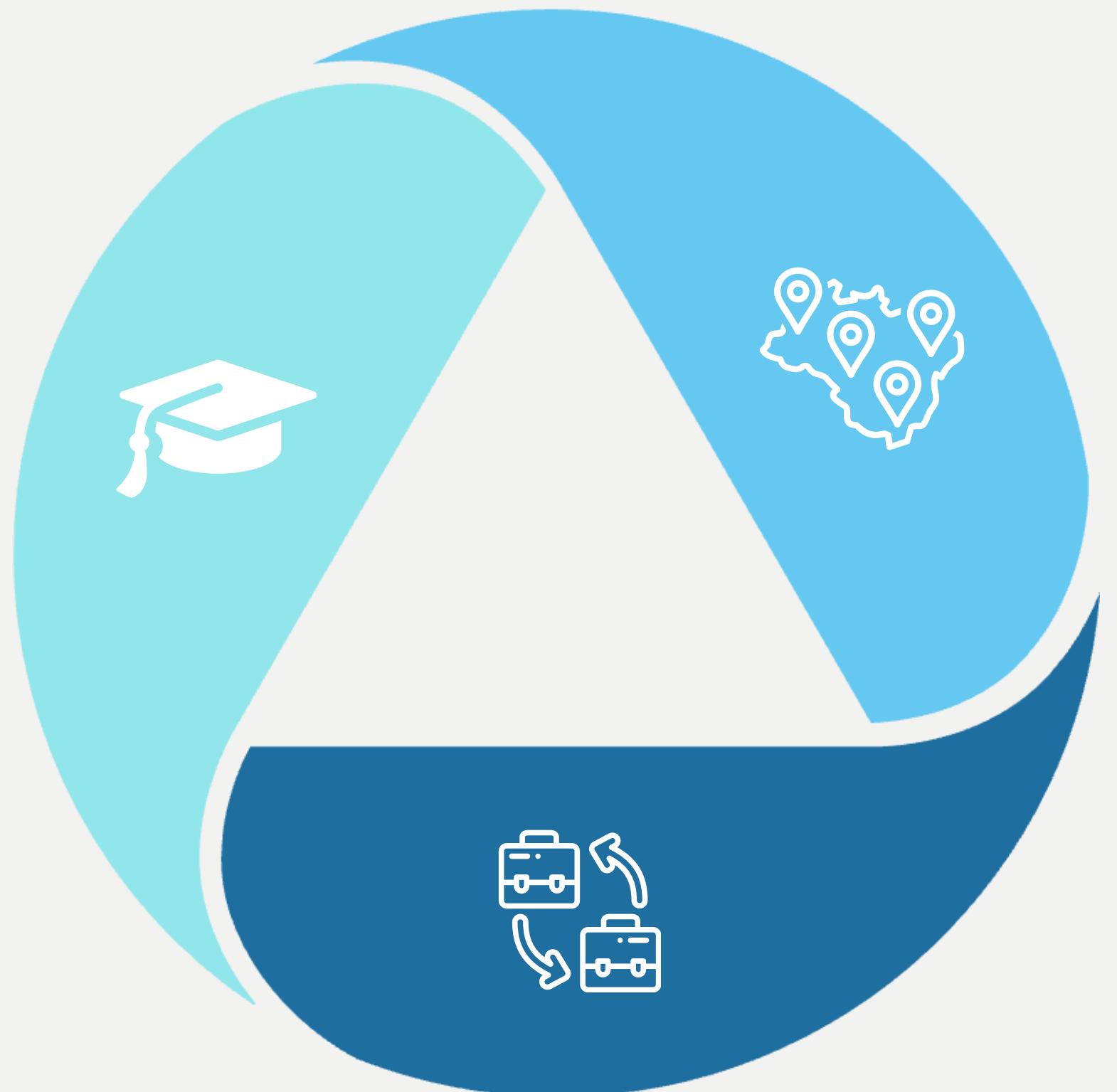
Directly connects with the university's existing LMS to securely access lecture recordings and course materials, eliminating manual uploads and enabling the AI to work with the most up-to-date, course-specific context.

2. Human-in-the-Loop Quality Control

Empowers lecturers and TAs to review, refine, and enrich AI-generated notes before release, ensuring accuracy, completeness, and the inclusion of any nuanced points the AI may have missed.

NEXT

Our Business Model



1

University Licensing (Short-Term)

Direct partnerships with local universities (NUS, NTU) to integrate Lecture AI into Panopto or LMS workflows through institutional licensing.

2

Regional SaaS Expansion (Mid-Term)

Scale across top global universities via a subscription-based SaaS model, tailored to multilingual needs and local infrastructure.

3

B2B API Integrations (Long-Term)

Partner with EdTech platforms (Coursera, Moodle, etc.) to embed Lecture AI via white-labeled APIs or modular integrations.

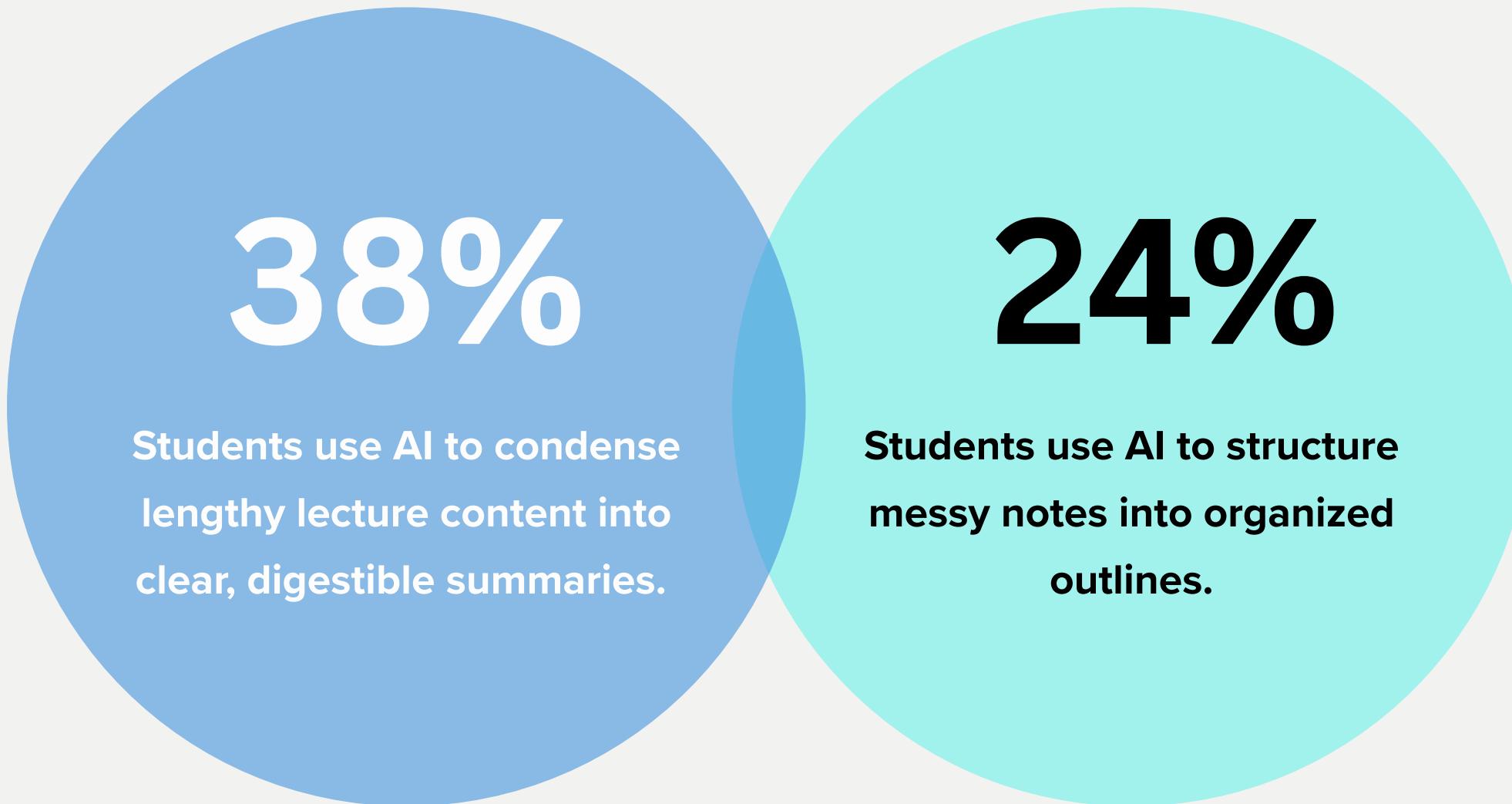
WHAT SETS US APART?

Competitive Analysis

Feature	Lecture AI	Zoom	NoteGPT
Context-Aware Captions			
Smart Academic Notes			
Action Item Extraction			
Inline Translation Support (Mandarin, etc.)			
Canvas Integration			

WHY NOW?

The AI Moment for Education



Sources: Quizlet AI in Education Report (2023) & Digital Education Council Global Survey (2024).

EdTech AI Market Boom

AI in Education projected to hit \$20B by 2027 (HolonIQ, 2023)

Global Student Shift

60%+ students now use AI tools for studying (McGraw-Hill, 2023)

Explosive Market Growth

Asia-Pac AI in EdTech market valued at \$6.9B in 2025 with 42.8% CAGR to 2030 (Mordor Intelligence, 2025)

Our Milestones

Accuracy-Focused MVP Development

Building our first lecture processing engine with a focus on transcription accuracy for technical terms and diverse accents.

Sep '25

Oct '25

Pilot Testing with NUS Students & Faculty

Rolling out the platform to early users across select modules. Gathering real feedback on accuracy and usability.

Nov '25

Jan '26

Institutional Adoption & Future Expansion

Driving adoption through student and faculty engagement, while laying the foundation for globally accessible, structured academic content.

Feb '26

Smart Context Integration

Linking slides, glossaries, and notes to improve transcript clarity and enable a smarter understanding of lecture content.

Enhanced Output Formats & Student UX

Improving how structured notes are presented – clearer layouts, better summaries, and bilingual options.

Meet Our Team



Arshin Sikka

AI & Systems Lead,
CS @ NUS

“Deeply excited about the intersection of AI, product, and startups – I’m eager to apply technical skills to build tools people truly want to use.”



Vidushi Jaidka

Data & Summarisation Lead,
Data Science @ NUS

“I love building at the edge of data and design – using my skills in AI and product design to make learning feel intuitive and impactful.”



Ishan Agarwal

Backend & Infrastructure Lead,
CS @ NUS

“I thrive at the intersection of people and ideas. I want to build something that doesn’t just exist in the world, but actually changes it.”

What We're Looking For

We're building Lecture AI to solve a real, global pain point — and we're looking for the right partners to grow it responsibly and fast.

Funding & Strategic Support

We're seeking early-stage funding and strategic backing to refine our tech stack, expand the team, and accelerate go-to-market. We're also looking for mentors who understand the nuances of edtech, AI, and university procurement.



Pilot Partners & Collaborators

We're actively looking to run pilots with universities, departments, or lecturers who believe in AI-powered learning. Collaborations will help us validate features, fine-tune the experience, and drive real classroom impact.

CONTACT US!

PHONE NUMBER

+65 8076 8918

WEBSITE

LECTUREAI.CO

EMAIL

TEAMLECTUREAI@GMAIL.COM



To know more, watch our product overview!