

# Lecture AI

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



## UNDERSTANDING

# The Problem

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

**72%**

**Students constantly 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.

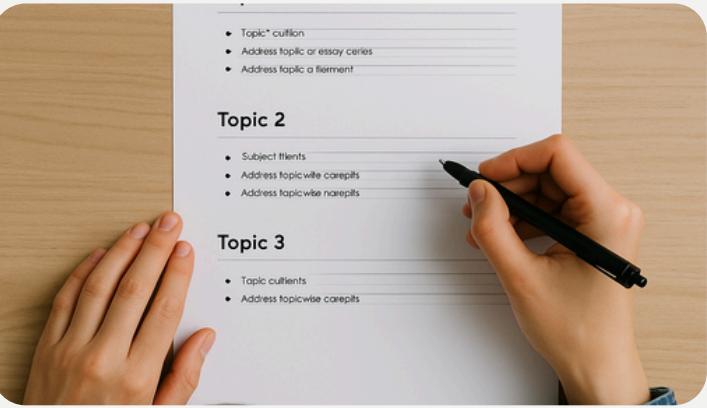
**230+**

**NUS Students prefer Mandarin over English**

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 writing instead of learning. 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 trained on 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.

### Captions Generated from Transcript

Cleaned transcripts are converted into accurate, time-aligned captions to embed directly in the lecture video.

05.

### Mandarin Translation & Formatting

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

02.

### Audio Retrieved & Transcribed

Lecture AI processes the recording and transcribes the audio using models trained on academic speech and accents.

04.

### Topic Segmentation & Summarization

The transcript is broken into topic-wise blocks and summarized into bullet-point key takeaways, formulas, and definitions.

06.

### Final Delivery: Notes + Captions

The formatted notes are sent to the lecturer, and captions are embedded or sent along with the lecture video.



# 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?**

**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).

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.

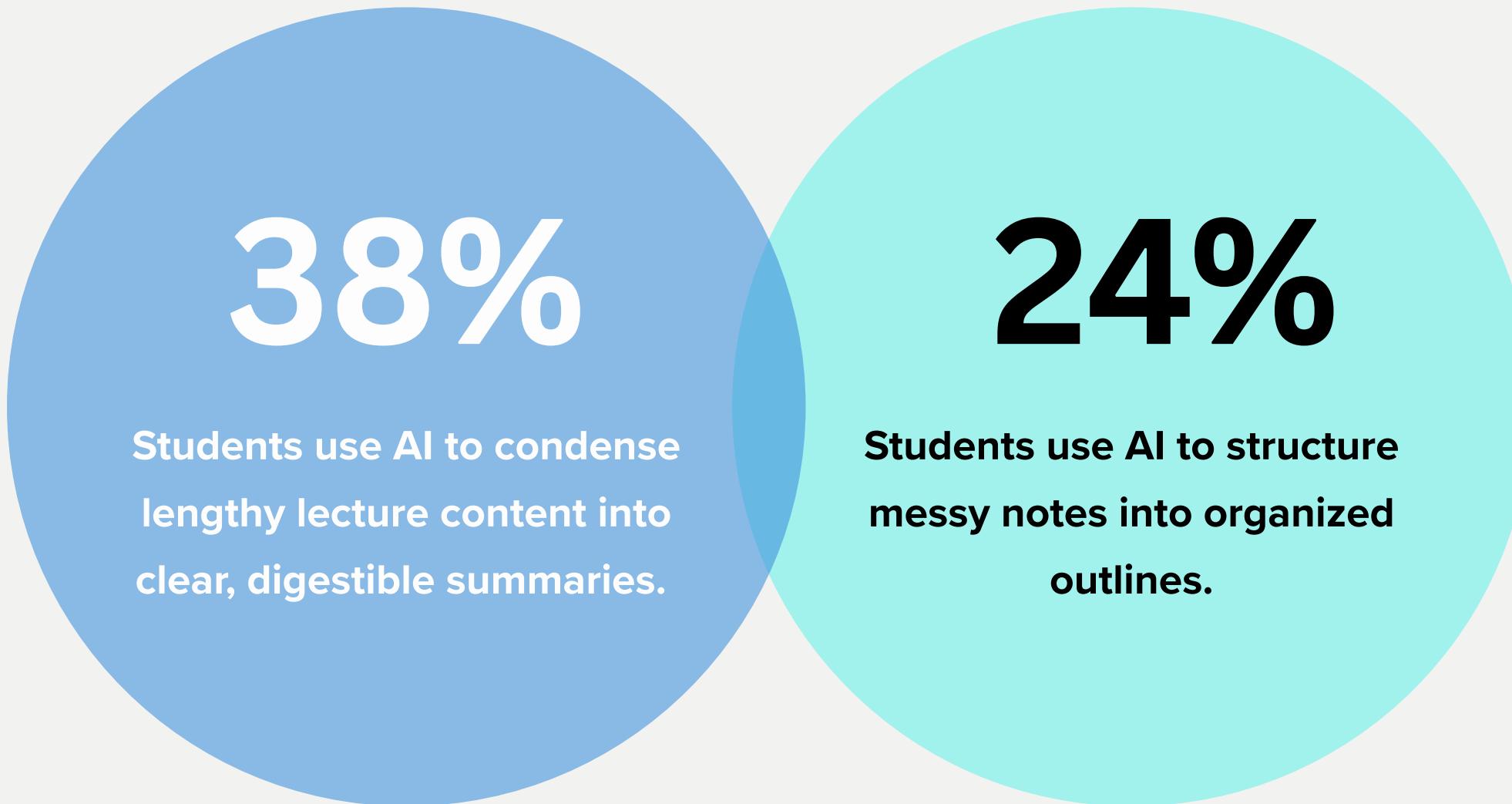
04

## Action Items & Key Logistics

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

**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)

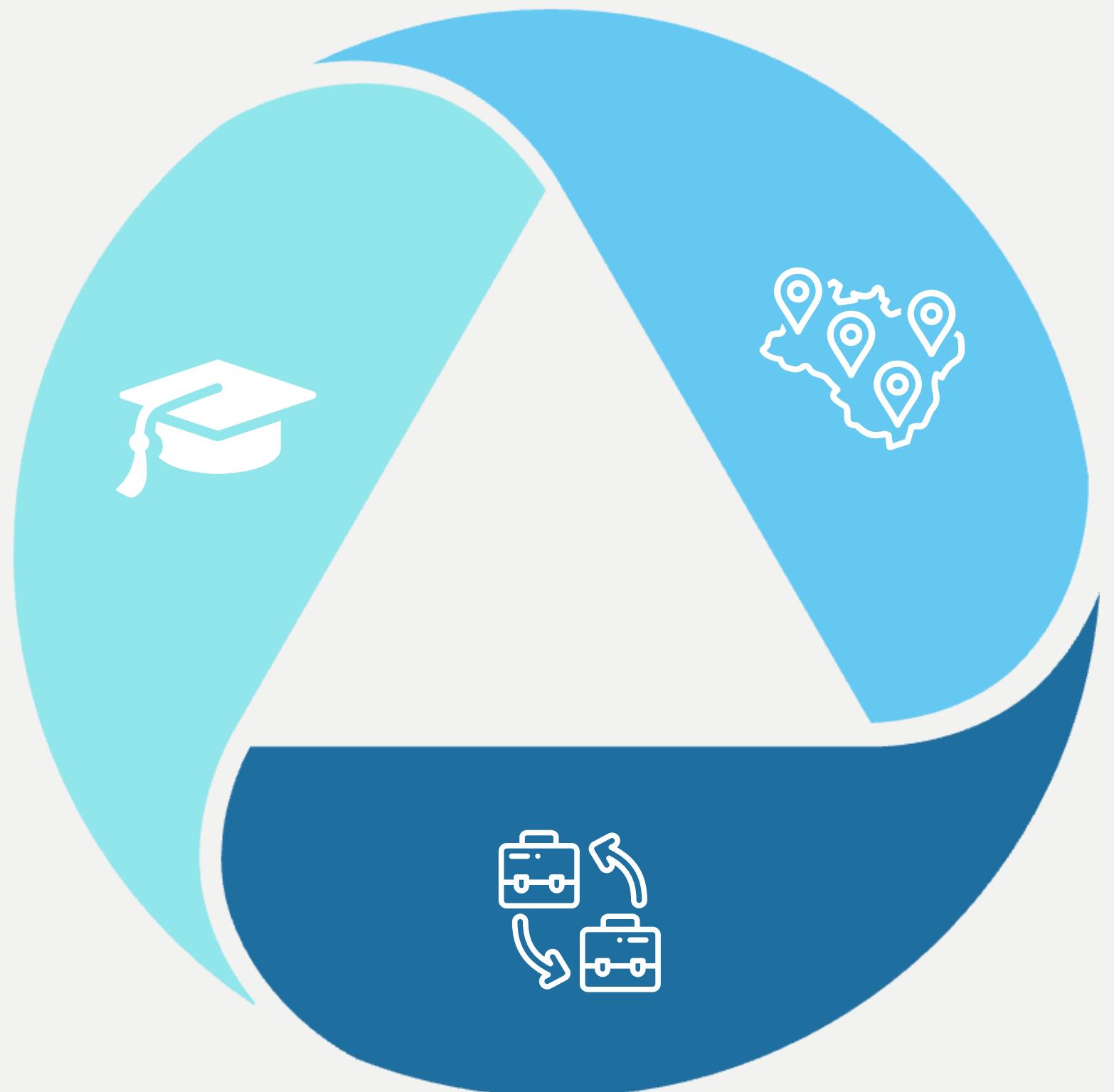
## Global Student Shift

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 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 ASEAN 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	Generic Transcription Services
Context-Aware Captions			
Smart Academic Notes			
Action Item Extraction			
Inline Translation Support (Mandarin, etc.)			
Real-Time Transcription			

# 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!

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To know more, watch our product overview!