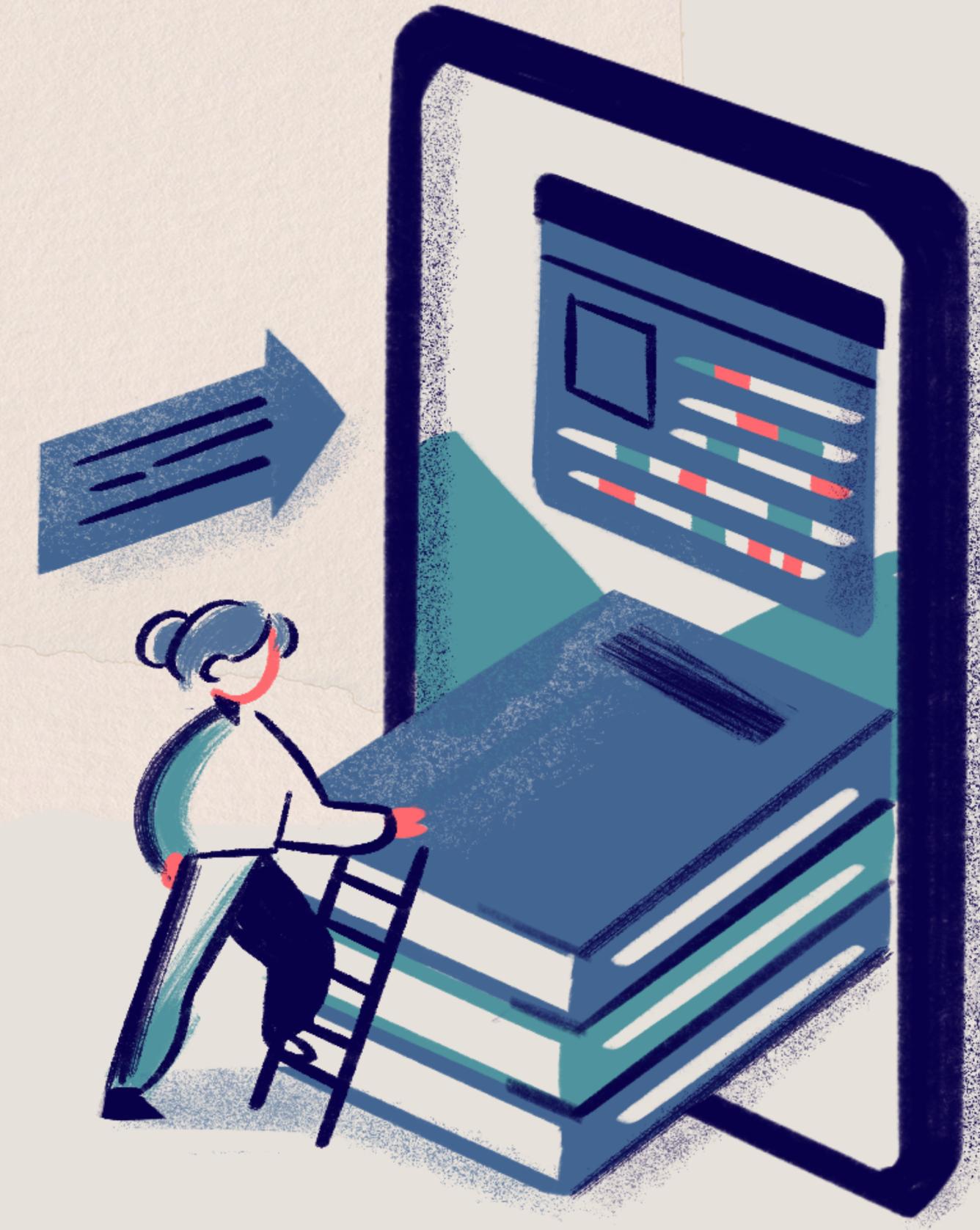


Learn Digest

Educational access services in the form of
videos presented with transcriptions and
summaries

Team 11



Meet our team



Bahy Nazih
(AI)



Fadhil Elrizanda
(AI)



Robiul Awal
(AI)



Caesar Muda Suparjo
(AI)



Muhtarom Ahkam
(Data)



Nishrina Rawi
(Data)



Muthia Chairina
(Data)

Problem

Ideal Ratio of Teacher and Students*

1:20

for elementary, middle and high school
education levels

1:15

for the vocational school level

Current situation...

Ratio of Teacher and Students

1:16

Problem



What are the consequences ?

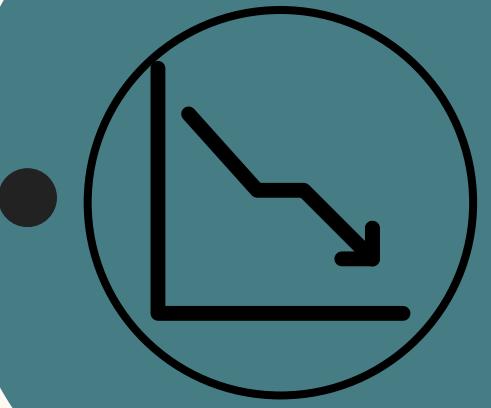


Overworked Teachers

Teachers will have too many students, leading to exhaustion and lower teaching quality.

Lack of Individual Attention

Students might not get enough attention from teachers, so their learning needs are not met.

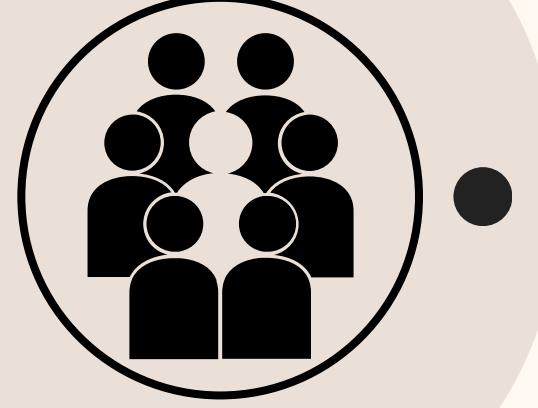


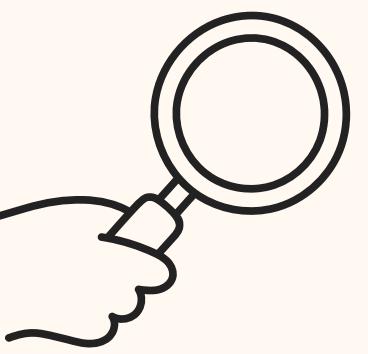
Decrease Education Quality

With too many students in a class, teachers may struggle to teach effectively, decreasing students' understanding and academic performance.

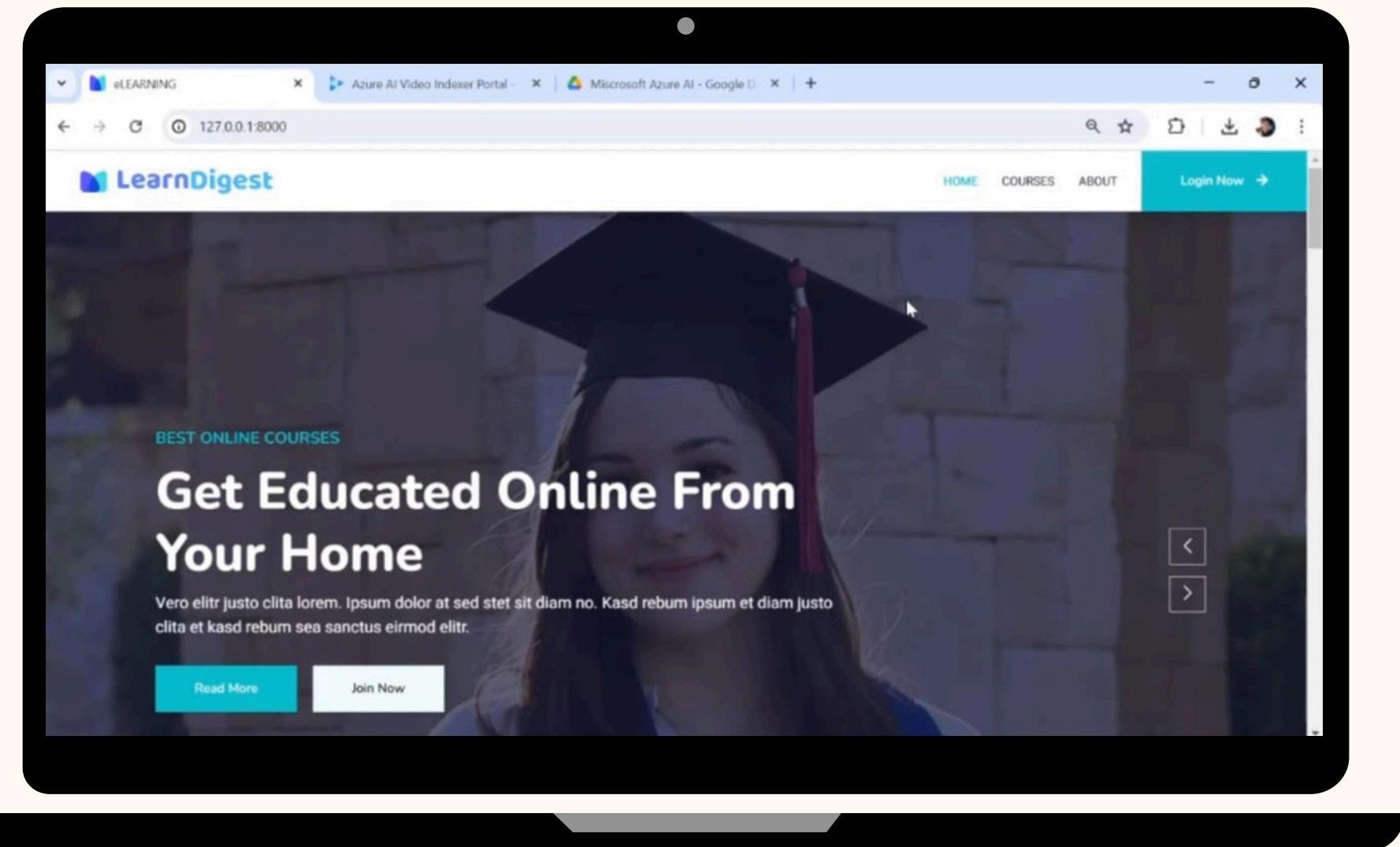
Less Interaction and Engagement

Teachers may not interact with each student effectively, resulting in lower student engagement in the learning process.

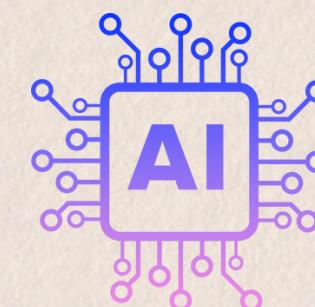




Solution



We proposed a website to help students access learning video with **downloading feature** for video and learning contents



Utilize **Artificial Intelligence** to do transcription and summarization in videos

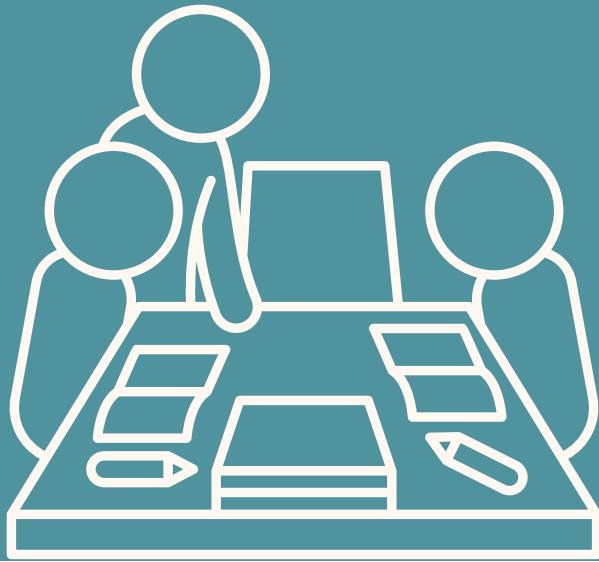


This solution aims to **help people who have limitations in hearing**



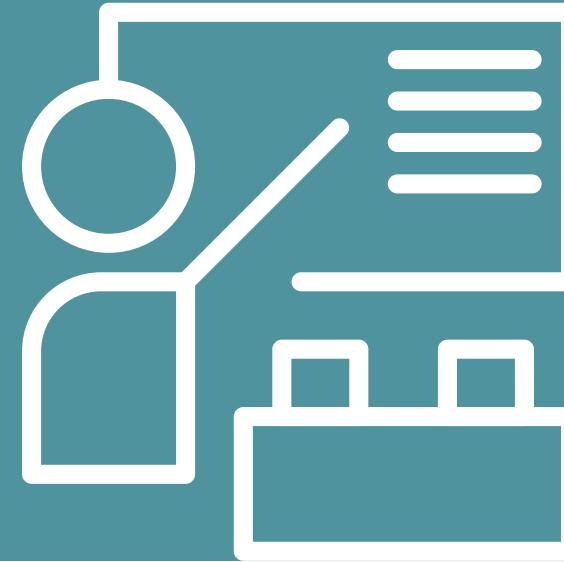
Summary feature will help students who may **not have time or ability to watch the entire video**

Target User



Students and Disabilities (limitations in hearing)

- Students will get overview of the video which leads to an efficient discussion in study group
- Helps access videos through text by transcription feature



Teachers

- Help teachers to have learning content that will save time in providing lessons
- Transcription and summary can be used as a reference to make a deep explanation

Unique Value Proposition

Learn
Digest

Easy to Use

Students can access videos through website. They can even download videos and learning contents

Video Transcription

Students will find it easy to access videos through text

Summary

Have an overview through videos, so students do not have to watch the entire videos

Power BI Dashboard



Power BI Dashboard

LearnDigest

Hi, Alexander Bridges

Learning Progress by Subject

Bahasa Indonesia Biology Education Level

SD

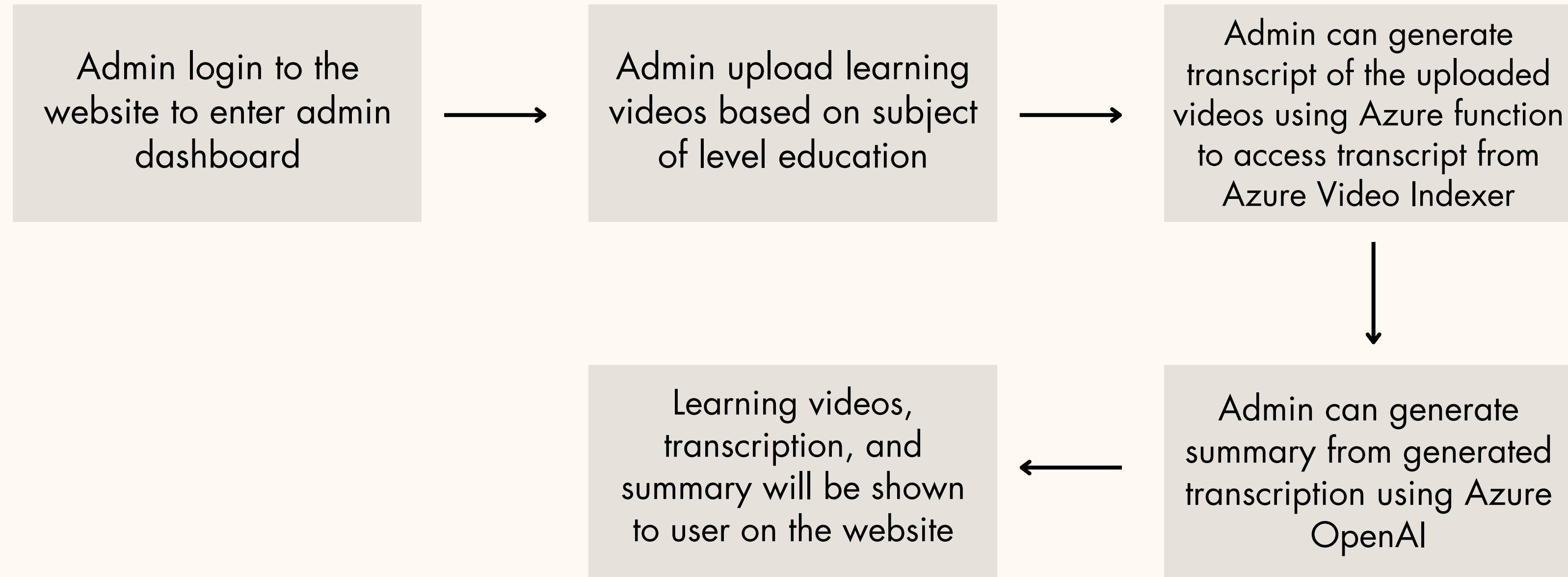
Total Videos Watched
8/20

Math Physics

The dashboard displays learning progress across four subjects: Bahasa Indonesia, Biology, Math, and Physics. Each subject is represented by a donut chart showing the percentage of watched versus unwatched videos. The 'Education Level' is listed as SD. The total number of videos watched is 8 out of 20.

Subject	Watched Videos	Unwatched Videos
Bahasa Indonesia	2 (40%)	3 (60%)
Biology	1 (20%)	4 (80%)
Math	1 (20%)	4 (80%)
Physics	1 (20%)	4 (80%)

Userflow (as Admin)



Userflow

Students login to the website to access videos



The website will display landing page that can access videos from various school levels and subjects



Students choose their school level and subject to access the video



The video will appear with the transcription and the summary will be displayed below the video

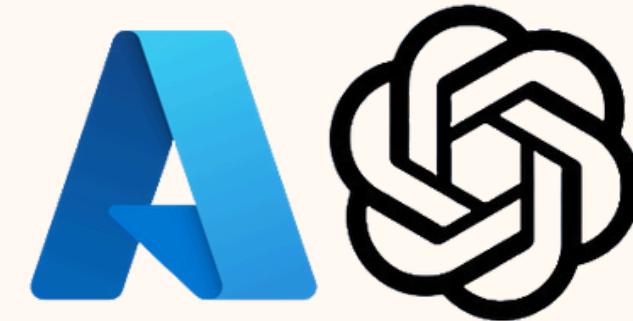
The Services which are used:



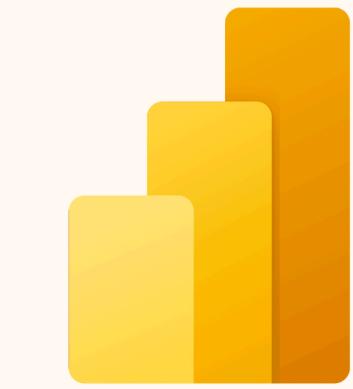
Azure Functions



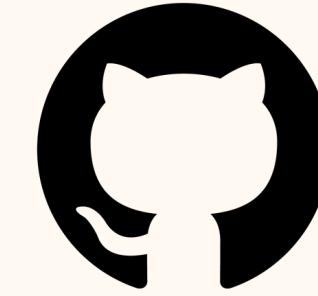
Azure Video Indexer



Azure OpenAI



Power BI



GitHub

Next Action

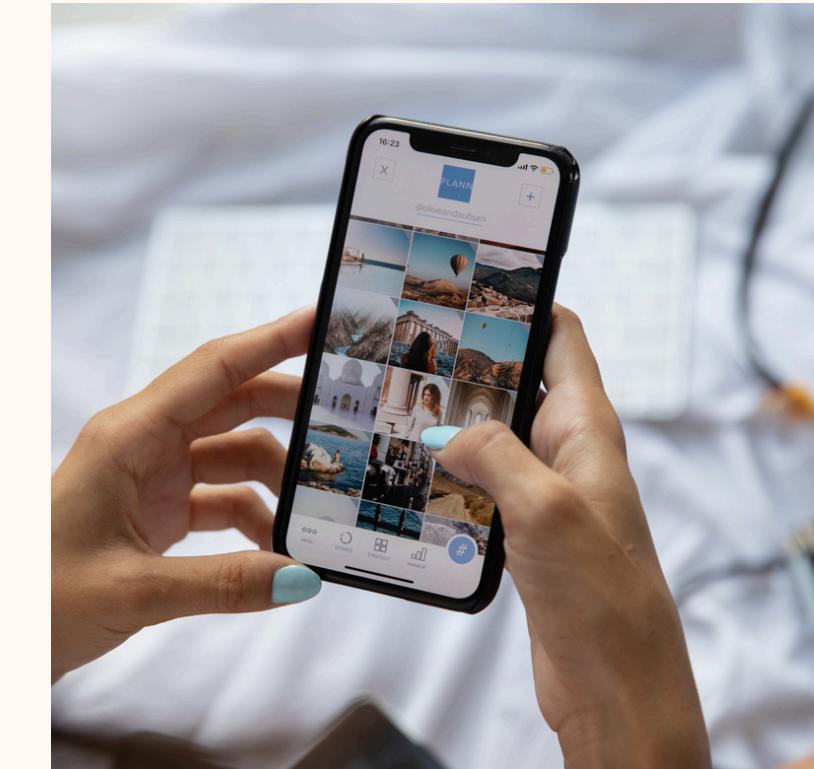
Collaboration

Collab with teacher and learning expert for more learning videos



Integrate with Learning Assessment

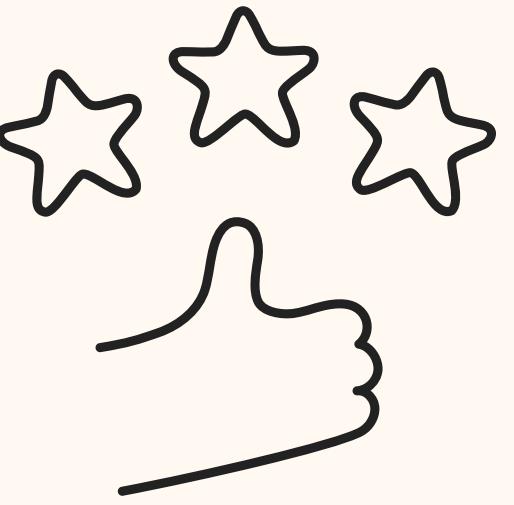
Create quiz feature to help teachers with learning assessments and to determine students' understanding



App Version Development

Create mobile app version for convenient access through smartphone

DEMO



THANK YOU

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