

All the timeline of the video is sorted into 2 portions

dialogue and pauses

In a video, we define the most important parts as keyframes,

Implemen takton

At each keybrame, we extract the image portion of the video.

Then we grab the <u>caption</u> of the reamed previous dialogue,

Using the caption of dialoge t visual data of keyframe

We can generate an "andio description" of what is happening.

How to make sure the vew "andro description" doesn't

interfere with the original andro?

-> Intersperse. By replacing the pauses with "andio description"

## Process

- D Extract keyframe timestamps; extract screenshot
- (2) Extract captions of each keyframe.
- 3) Gen. description from keyframe + captions
- (4) Find rearest "panse" and the duration,
  Based on panse duration, truncate the description
- 6) Cohert description to speech mp3 Speed up mp3 to lit in "passe" denotion
- 6 Replace tre paris 1

- 6 Replace the pance in the original andio with the andio description
- After processing entire video, in-browser replace video andio with processed mp3.

Tech

- Video Indexer. AI (Arne)
- Text -> Speech (Azure)
  - Azure OpenAI
    - Azure Computer Vision,

Parts

1 Extract images

(2)