SARANSH

What is SARANSH?

- SARANSH, derived from the Sanskrit language means **Summary.** Basically it is a hardware and software-based project.

- There are so many peoples who don't have eyesight, and they face various types of problems in their daily routine life like a reading problems, so we design a system name SARANSH.

- SARANSH For those who want to read books/novels/newspapers but they haven't time in there day to day life.

TOOLS AND TECHNOLOGY

RASPBERRY PI

TACTILE SWITCH

PYTHON3

BREAD BOARD

PYTTSX3
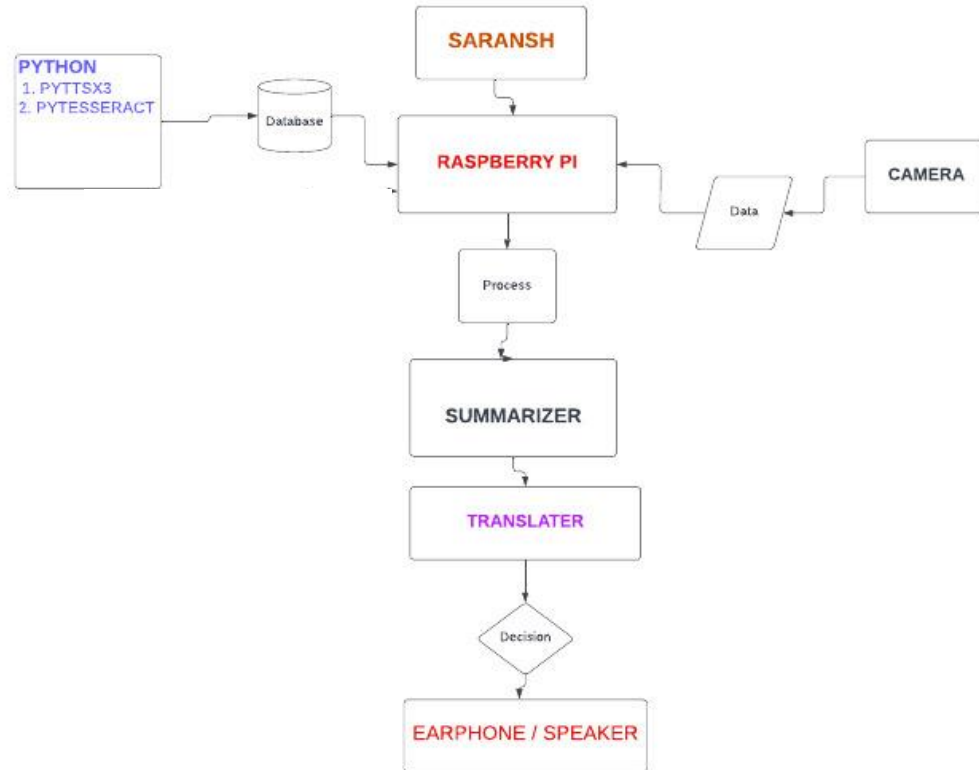
Pillow - PIL

WEB-CAM

HUGGING FACE TRANSFORMER
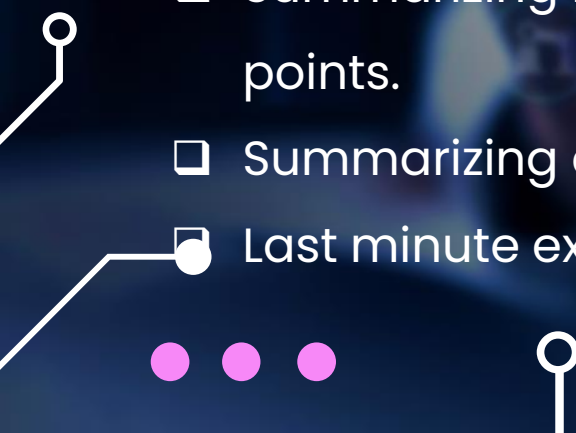
SPEAKER

TESSERACT-OCR ENGINE

HOW IT WORKS?

1. By push-pull button, we capture a frame with the help of a webcam.
2. After capturing that frame our model collects the text from it and with the help of the PYTESSERACT library, it will convert image files into text.
3. The model creates a summary of the extracted text and by using PYTTSX3, it converts the summary into speech.
4. At last, we transfer our whole PYTHON file into RASPBERRY PI. After processing all the files, we got a summary of that text in our needful language.

FLOWCHART

🎯 USE CASE AREA

- ❑ News article or blog summarization to quickly grasp the main points.
- ❑ Summarizing lengthy research papers or reports for easier digestion.
- ❑ Summarizing legal documents for faster understanding of key points.
- ❑ Summarizing customer feedback for quick analysis
- ❑ Last minute exam preparation

CONCLUSION

Our goal is to create a system that could accurately and reliably summarize long documents into shorter, more manageable pieces of information.

THANK YOU!