Introduction

- Raspberry pi-4 physical device with a ReSpeaker LEDs ring.
- Sit at a boardroom table during the meeting and provides real-time feedback visually.
- To ensure the participation and contribution of each member in the meeting.
- Has GUI as man-computer interaction that is more user-friendly.

Product Appearance

-Hardware Equipment:
  - Raspberry Pi 4b & Respeaker

- Appearance Materials
  - Wooden mini blocks
  - Acrylic sheet
  - Wood planks
  - White Foam Board

- Design steps
  1. top pyramid
  2. cut-off
  3. device’s hardware
  4. bottom three-dimensional trapezoid sides cover
  5. 3D trapezoid’s base with a support cube

How to use

1. Set up and connect Raspberry pi to PC
2. Open up the code in Raspberry pi OS and run the code
   a. Sequence diagram for User Case (step by step)

Method

- Python modules
- Design of code:
  - Multi-thread
  - MicArray.py
  - GUI.py
- problem-solving:
  QA
  Complex code

Conclusion

- Create a device that's not on the market and is highly interactive
- It can bring more ideas and inspiration to future designers