

# SAVOX

## PROTOPAJA 2022 PROJECT IDEA

### Intelligent audio listener



Intelligent audio listener supports person to understand distance and direction of interesting sound source. Sound source could be classified and presented to the user as reading it out loud. Intelligent audio listener is sensitive to both loud and soft signals.

#### Proposed characteristics for the proto:

- ❖ Inputs from 180- or 360-degree microphone array
- ❖ Separation of interesting sound sources from the overall recorded sound
- ❖ Slim prototype could be placed to helmet
- ❖ Small microcontroller to handle recording and process possible AI or ML requirements
- ❖ Optionally demonstrates direction and distance of other team members

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