

#### Workshop on TinyML for Sustainable Development

# No name, yet

Help me :)

Moises M.

#### **Exercise**

I want to do an experiment for 2 minutes, please everyone close your eyes, close your mouth, close your hands and try to communicate.



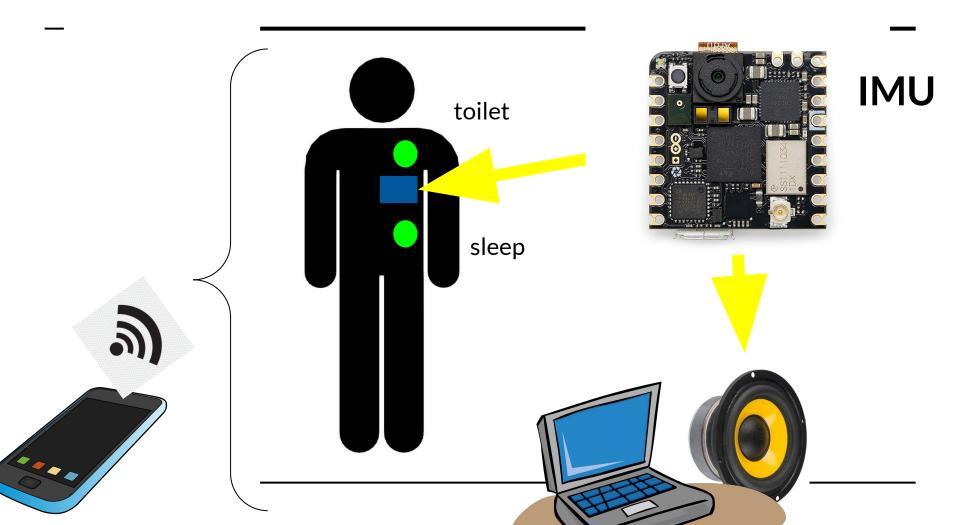


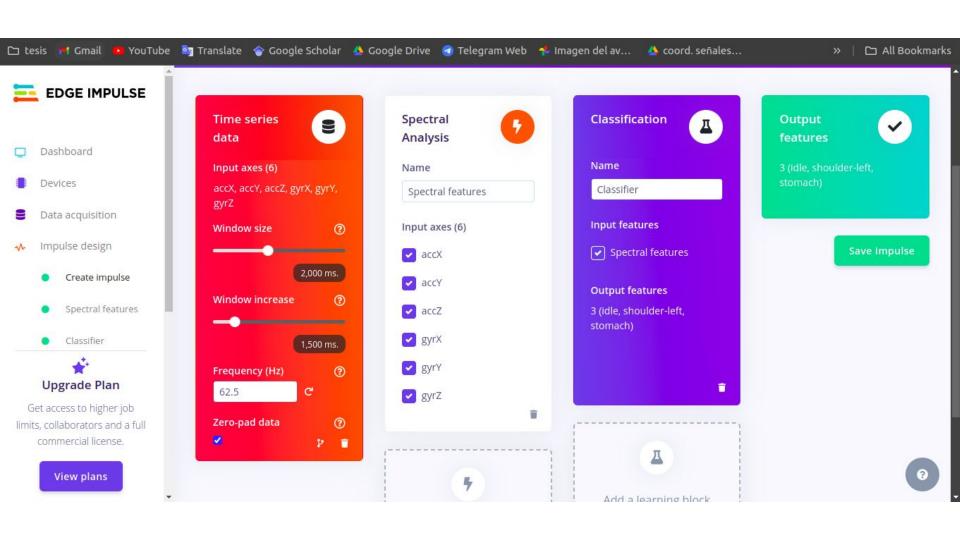
### How do people who are deafblind communicate?

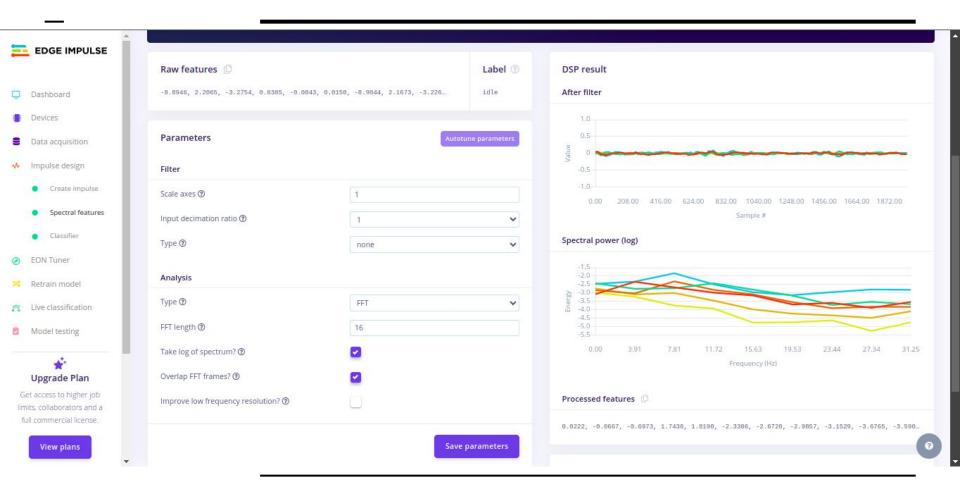
Some of the most common ways people who are deafblind communicate in

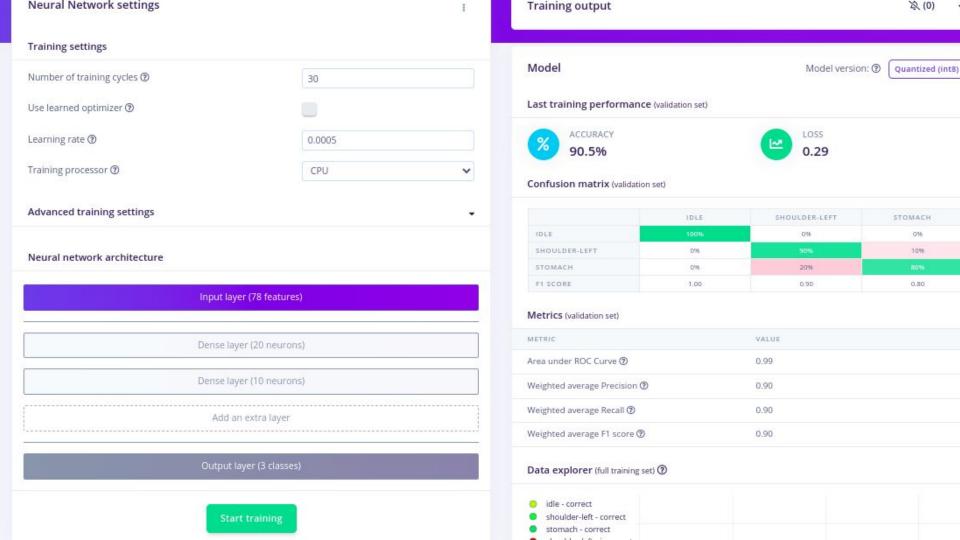
- Irish Sign Language (ISL),
- Lámh,
- Hand-under- hand/ tactile sign language
- Tactile Fingerspelling
- PECs or Pictures,
- Objects of Reference / Concrete Symbols,
- Swell Symbols,
- Braille,
- Haptic signs,
- Tadoma,
- Technological communication aids











## How Can I replicate this project?

- 1. Acquire data and upload to edge-impulse:
  - a. You can clone this project: <a href="https://studio.edgeimpulse.com/public/494730/live">https://studio.edgeimpulse.com/public/494730/live</a>
  - b. You must fix wifi firmware In arduino using:
- 2. Develop your code in python
  - a. MQTT: paho-mqtt <a href="https://pypi.org/project/paho-mqtt/">https://pypi.org/project/paho-mqtt/</a>
  - b. Text to speech: gtts <a href="https://www.geeksforgeeks.org/convert-text-speech-python/">https://www.geeksforgeeks.org/convert-text-speech-python/</a>

