

# Team Project

Kilimanjaro

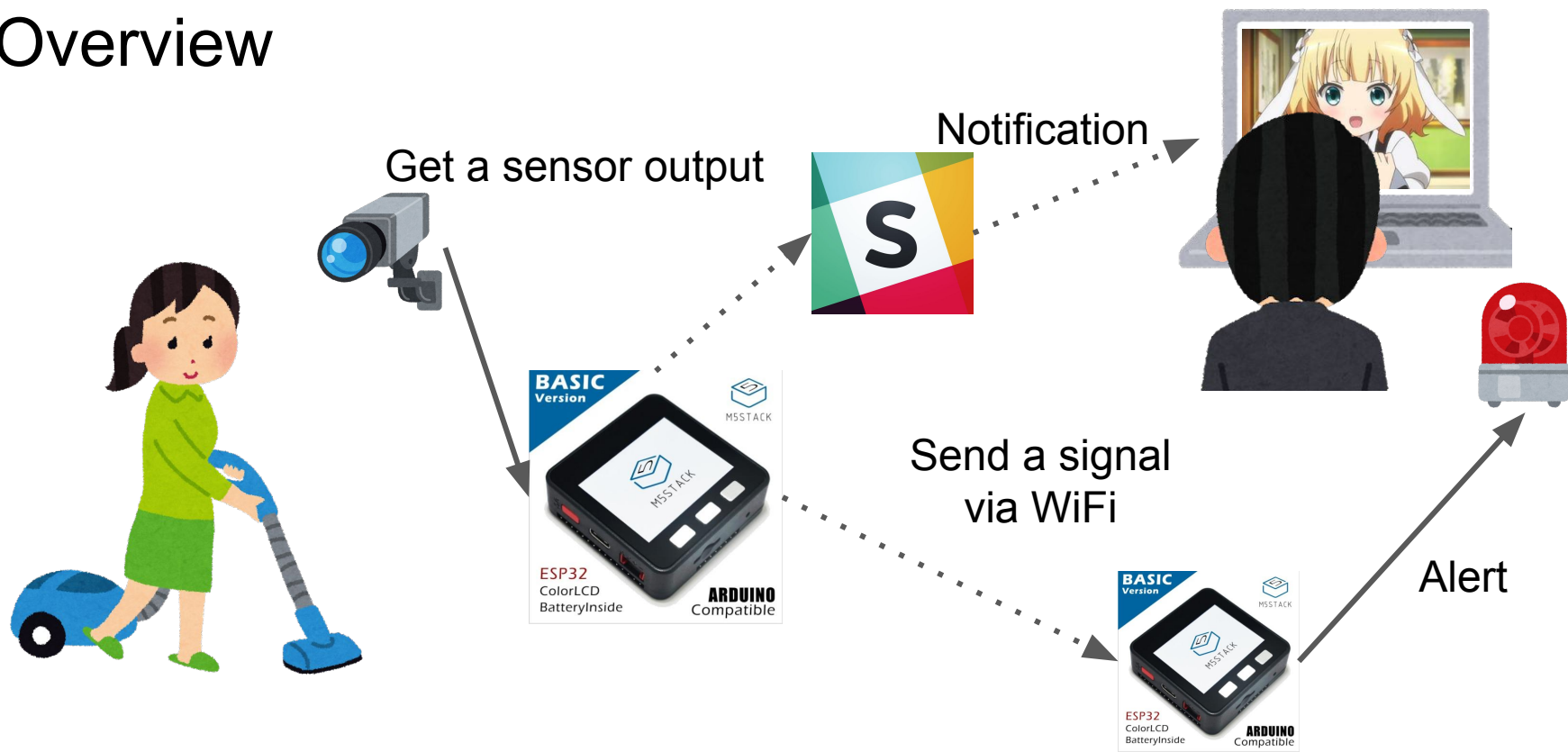
# Agenda

- Parents Over Shoulder(POS)
- Demo
- Overview
- Technical Features

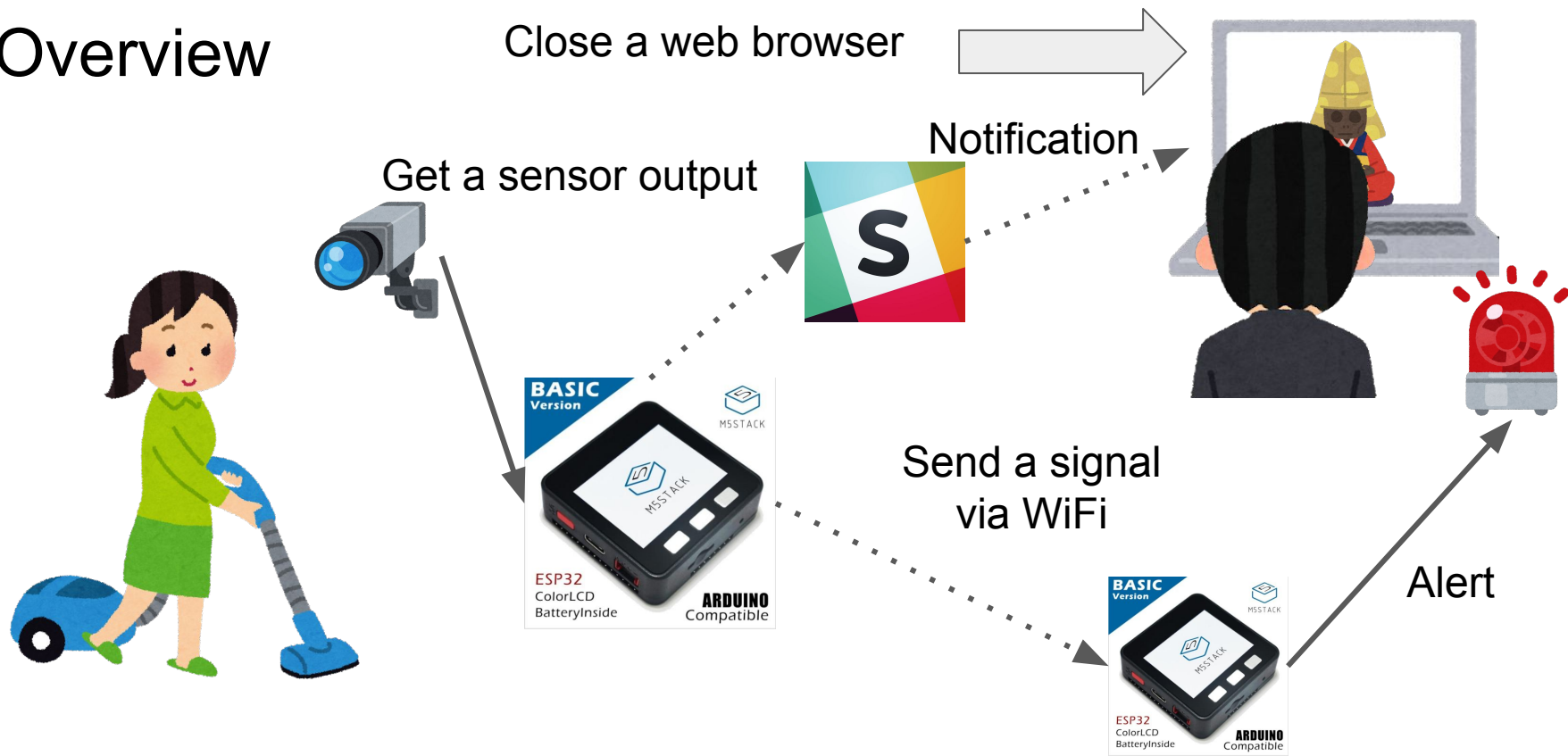
# Parents Over Shoulder(親フラ)



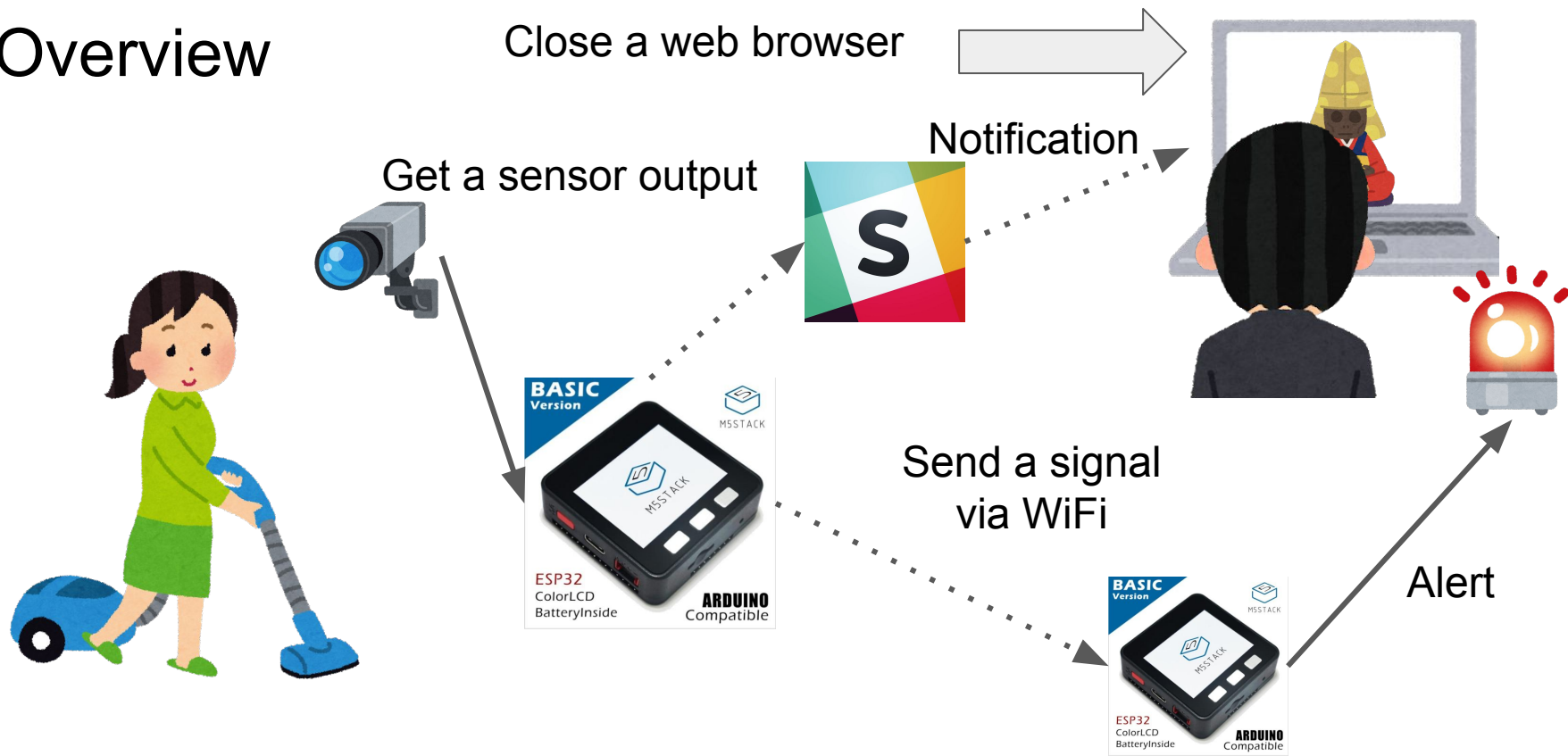
# Overview



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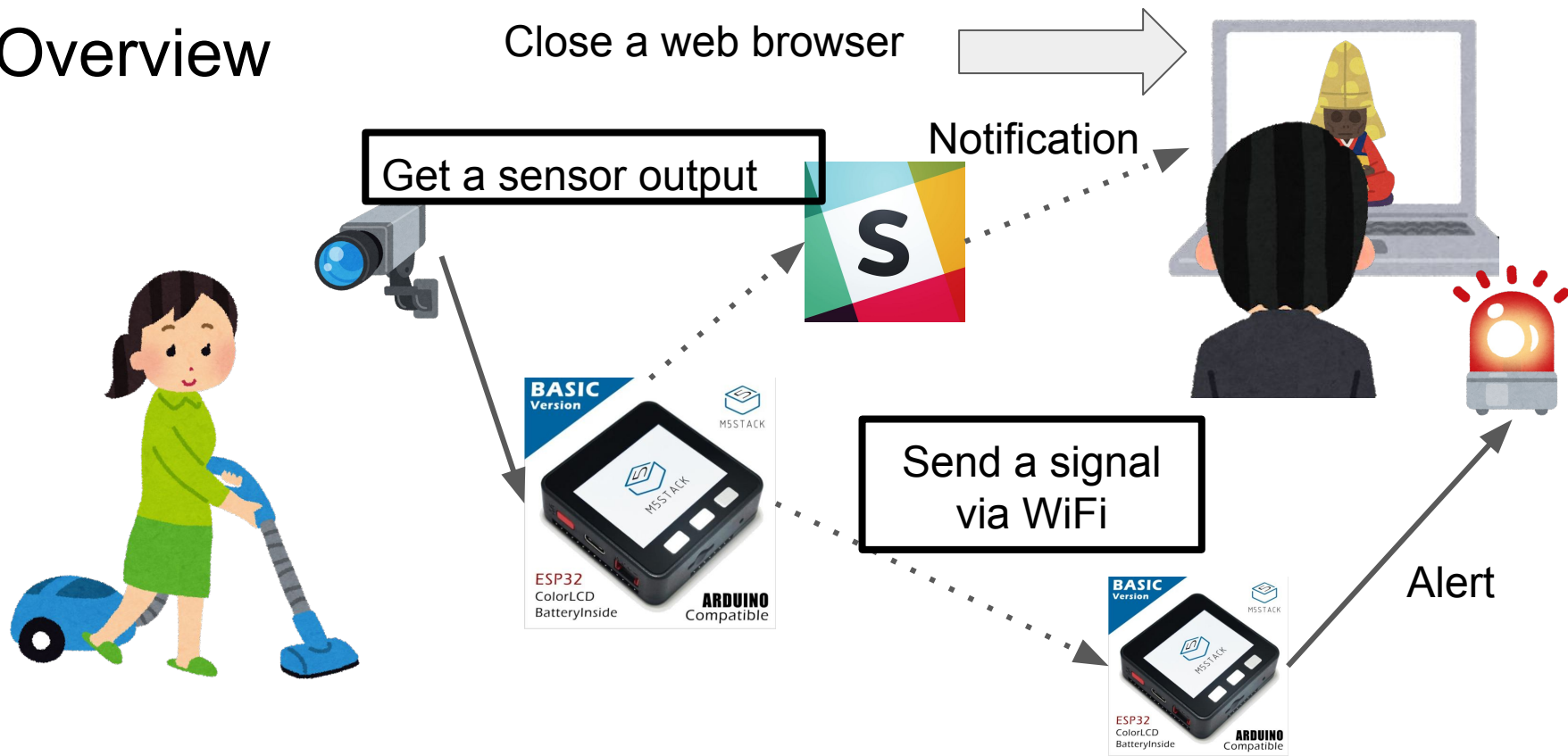
Demo

# Tasks

- Detect a human by a sensor
- Send a signal to another M5Stack via WiFi (mDNS)
- Notification on Slack
- PC receive a signal from a M5Stack
- Alert

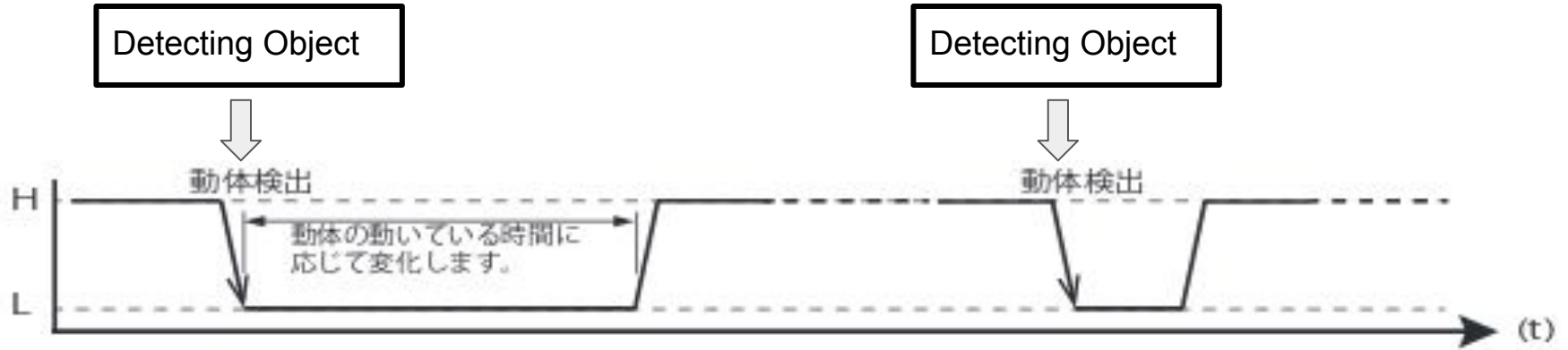


# Overview

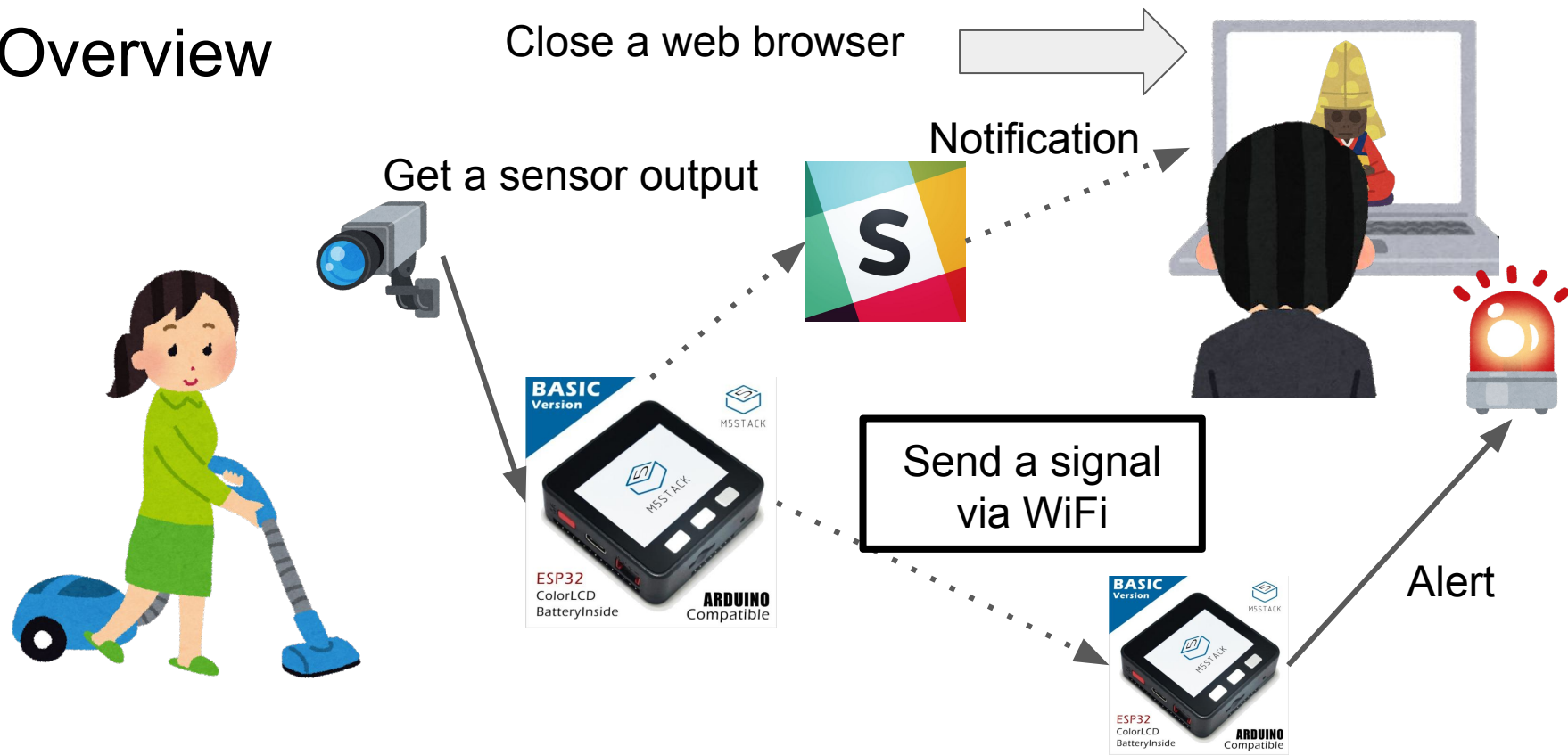


# Detect a human by a sensor

- PIR Motion Detector



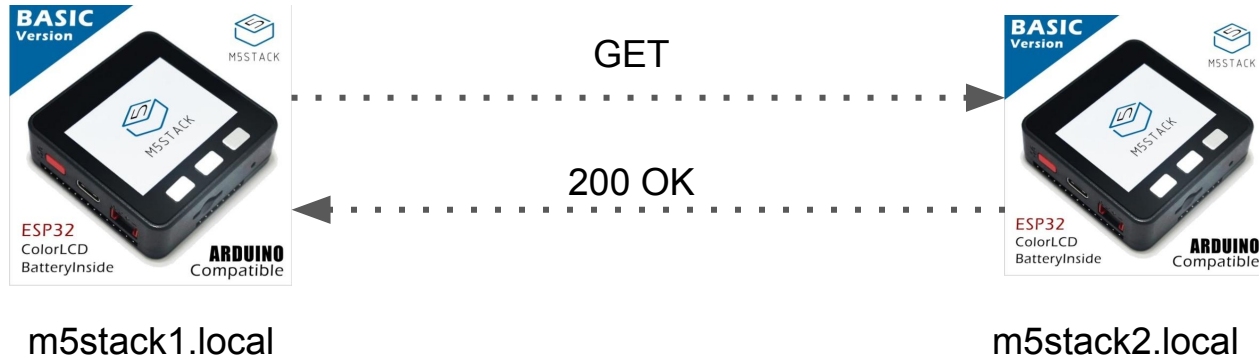
# Overview



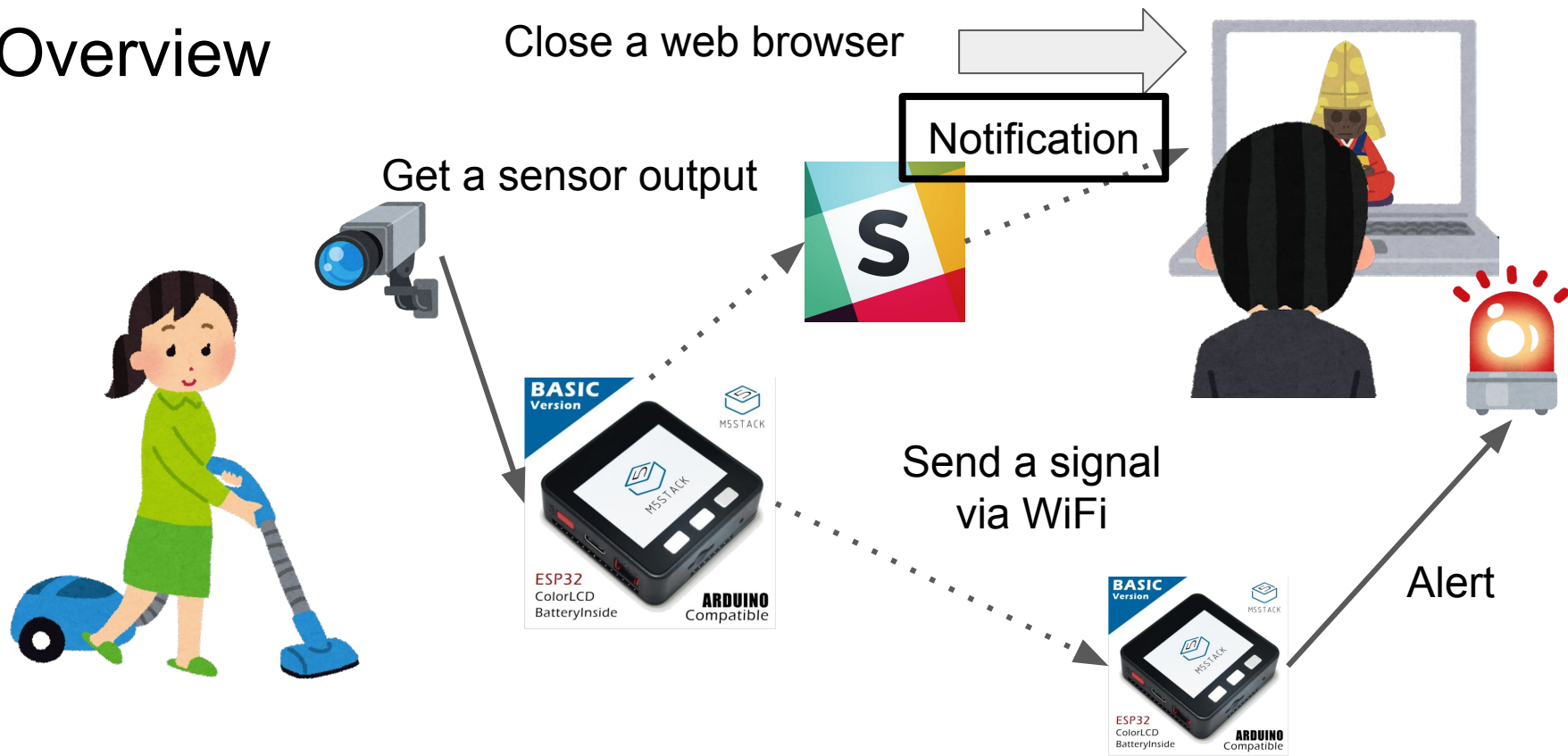
# Send a signal to another M5Stack via WiFi (mDNS)

## mDNS (multicast DNS)

- Resolving hostname service in LAN
- we don't have to set IP address configuration

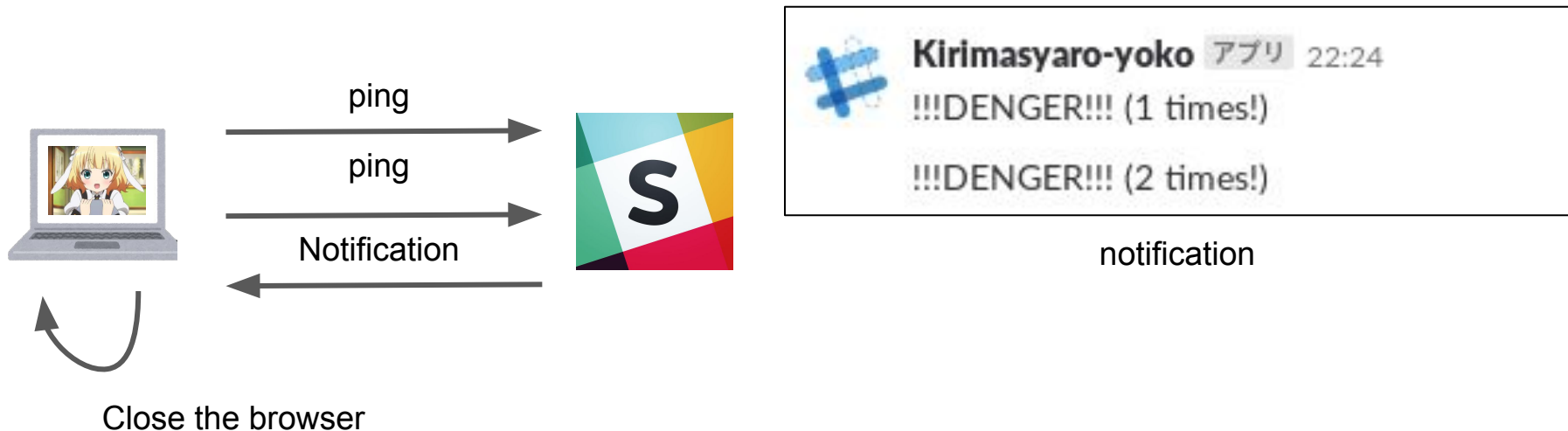


# Overview

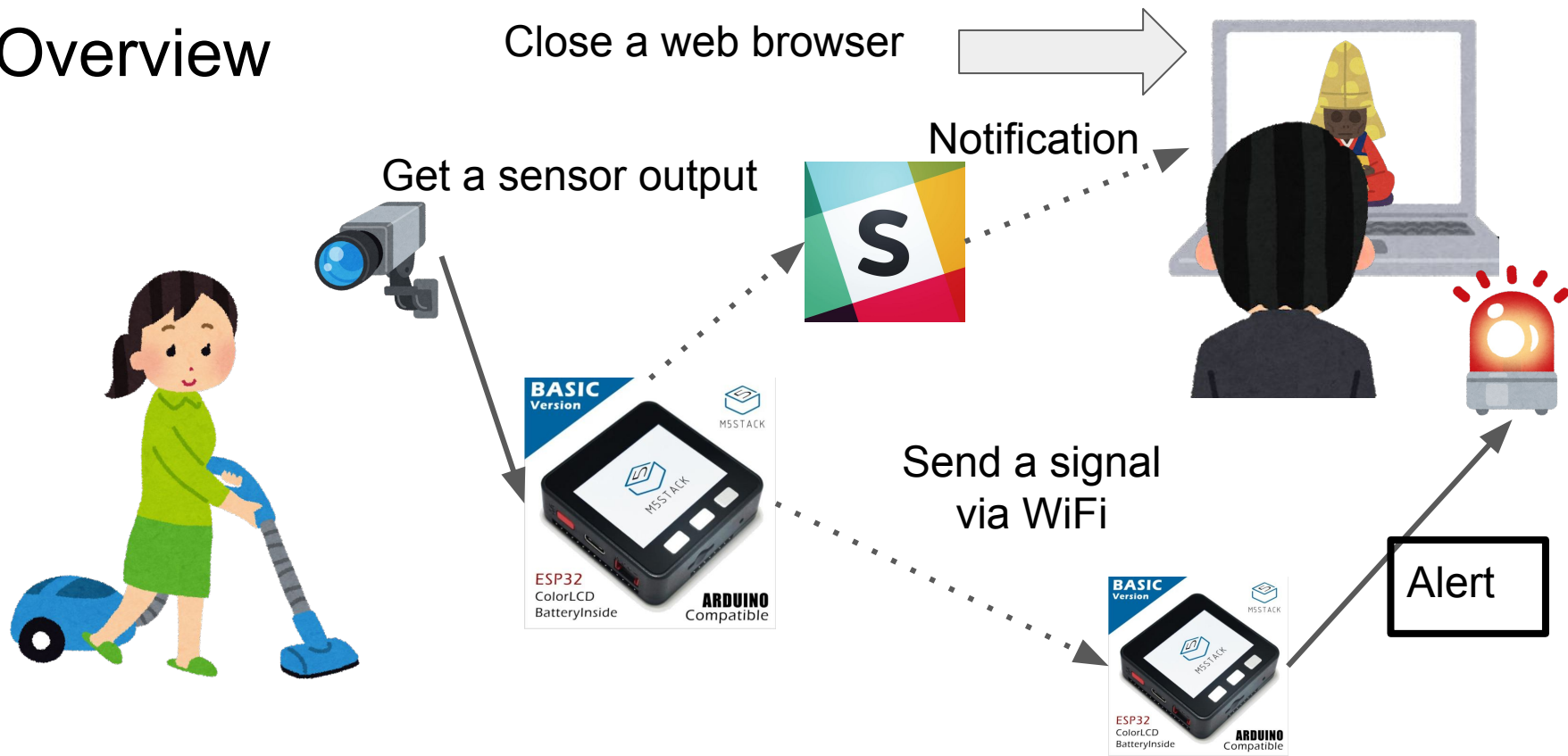


# Notification on Slack

- use Slack API
- send a message to user when sensor detect a human
- fetching message from the user to close browser automatically

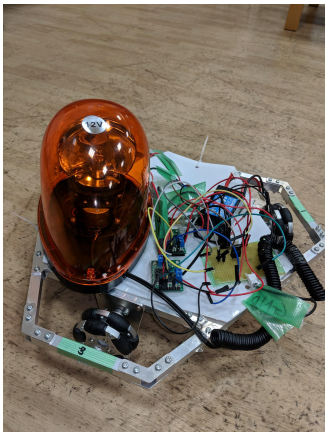


# Overview



# Alert

- play a music
- light rotating warning lamp
- rotate a robot



警報機

```
1 // Move a robot
2 void start_move() {
3     server.send(200, "text/plain", "kirimasyaro");
4     init_pins();
5
6     static size_t music_num = 0;
7     MDNS.end();
8     WiFi.disconnect();
9     WiFi.mode(WIFI_OFF);
10    M5.Lcd.println(music_list[music_num]);
11    delete id3;
12    delete file;
13    file = new AudioFileSourceSD(music_list[music_num]);
14    id3 = new AudioFileSourceID3(file);
15    mp3->begin(id3, out);
16    xSemaphoreGive(xSemaphore);
17    music_num++;
18    if (music_list.size() <= music_num) {
19        music_num = 0;
20    }
21 }
```