Meeting Minutes Journal

Meeting Details	
Date:	25th January 2022
Time:	2000-2100
Place:	Zoom
Attendees:	Zeph, Soon Ann, Pearlyn, Livana, Henry, Kelly
Absentees:	

Agenda
Internal update on progress

Meeting Minutes

1. Update on computer vision model **- Soon Ann**
    a. Talked about accuracy of 0.3 precision and recall and the reason behind (fire has no fixed shape, that is why we need to add in a thermal camera). Explain that the model is training for both fire and smoke,
2. Set appointment to meet in school to connect model to the raspberry pi and thermal camera **- Zeph**
3. Update on the dashboard progress **- Pearlyn**
    a. colour coded alarm system for different kinds of alarms. 0,0 status means no fire (green) 0,1 possible fire (orange) and 1,1 confirm fire (red)
4. Raspberry pi walkthrough **- Zeph**
    a. Show the results of both cameras on raspberry pi (printing of temperature results[Numpy Array])
    b. Total of 16 grids, to isolate each cell and see if any cell goes above 60 degree celsius and that will be our benchmark for concluding it is a fire.
    c. Integration of the cameras and computer vision model
5. Secondary objective **- Zeph**
    a. Function to tilt camera (sourcing of products)
6. Shift weekly internal to Monday 31st January 2 pm **- Everyone**

Action Plan

1. Henry to source for a suitable rotating plate for the raspberry pi board
2. Kelly to send a follow up reply to OSS
3. Kelly to schedule a meeting with SCDF before midterm presentation (demo and ask for inputs)
4. Henry and Kelly to start on report, slides and wiki page
5. Check when do we need to submit media article