

Meeting Minutes Journal

Meeting Details	
Date:	17th February 2022
Time:	1600-1700
Place:	Zoom
Attendees:	Zeph, Soon Ann, Pearlyn, Henry, Professor Thivya
Absentees:	Kelly(Lesson)

Agenda
Weekly update

Meeting Minutes
<ol style="list-style-type: none">1. Update on the phase 1 progress - Livana & Zeph<ol style="list-style-type: none">a. Integration of hardwareb. Working on ways to increase accuracy on the computer vision modelc. Core functions are more or less there except the accuracy of the fire detection Modeld. Checked in with Kelvin from OSS and update him on the progress as well as receive feedbacks from him(refer to OSS minutes 1 [Integration with fire panel and suggest to have visual snapshots)e. Phase 2 priority is command and control dashboard using flask and user management to give SCDF overview control and OSS to only have access to SMU pinsf. Plans to have another indicator colour to signal SCDF has confirmed and the team is on the wayg. OSS Kelvin will be able to support us with the second phase of UAT after we have done the preliminary roundh. Will update date of UAT 2 closer to the datei. Will be doing the first UAT this coming sat2. Computer vision model - Soon Ann<ol style="list-style-type: none">a. Showed the results of the older model on 100 epochs and the newer test by using different image augmentation and retraining on a larger model (300 epochs) which took 3 days to train. There was a slight improvement of 3 percent.b. Not sure whether smoke will affect the precision of recall since we are

training concurrently, will move forward to train solely on fire to see whether it will increase the accuracy

3. Mid-term presentation - **Zeph**

- a. Can we meet physically? We can do the presentation over zoom and demonstrate the hardware components after and the grading can come after the presentation.
- b. Subsequently we will attach the camera on the pan tilt platform which will affect the way it is being demoed.
- c. Can find a half an hour slot to show the demo.
- d. We can video record a demo video

4. Login - **Zeph**

- a. What is the best practice for account creation?
- b. Is the best way for restriction to use a registration page or for SCDF to add in new users
- c. Need to provide one level of security for SCDF to approve accounts, but currently we are dealing with two sponsors which will have two platforms. Each client wants to keep their own personal data in their premises.
- d. Should talk to our sponsors about data privacy and staging purposes where they want to hold the data. On SMU server or amazon server? (Where should we host the data)
- e. Decide on the process for approval, who will be the contact person to approve new accounts

5. Other privacy issue - **Zeph**

- a. Video streaming and screenshot of facilities brings about such concern
- b. Avoid venturing into this because it will expand our scope widely and we have a constraint of time
- c. Think about it only when we have time

Action Plan

- 1. To work on mounting it on the pan-tilt - Zeph
- 2. Retrain computer vision model solely on fire - Soon Ann
- 3. Work on log in solution - Pearlyn