

Minutes of the Project Pyro: Supervisor Meeting Minutes

Date : Thursday, 24th March 2022

Time : 1600 Hrs

Location : Zoom (Online)

Present:

Zeph Ng , Backend Developer & IoT Engineer, Project Pyro
 Chua Soon Ann, Computer Vision Developer, Project Pyro
 Pearlyn Low, Frontend Developer, Project Pyro
 Livana Ho, Project Manager, Project Pyro
 Henry Wee, Quality Assurance, Project Pyro
 Professor Thivya, Faculty Supervisor, SMU-SCIS

Late with Apologies:

Absent with Apologies:

Kelly Tay, UI/UX, Project Pyro (Lesson)

Item	Discussion	Action(s)) by
1	<i>Update of team's progress</i>	
1.1	Zeph mentioned that our progress was on track. Zeph and Pearlyn realised that the purpose for outsourcing to DECAM is to reduce their admin workload. Therefore during the development of functionalities, the tech team decided to add in two other functionalities such as modified registration and logging to enhance user experience. The camera will also generate its own location ID to leave the responsibility of the tagging to the end user. The database also has a counter to know how many cameras are active.	
1.2	Zeph also mentioned that SCDF is unable to do the testing with us because the facilities are being used everyday. Therefore, we will be booking a BBQ to conduct our own testing on the camera system. We will also restructure the new database due to the new function added. Furthermore,	
1.3	Soon Ann mentioned that the recall is really low while training the model. In order to bump up the recall, they used null images with footage such as the view of a robot vacuum cleaner in a house to train the model about the true negative. Asked prof whether she has any suggestions to increase the recall or precision for our model. Professor Thiyva mentioned that due	

	to the nature of fire, not having a fixed shape or size makes it difficult to train the model as well.	
1.4	Soon Ann mentioned that one of the challenges faced was finding images of black smoke to train the model to detect smoke. Some of the images do not work because there are watermarks on it, after shortlisting manually, he only came up with 80 images that meet the criteria for a batch of 400 over images.	
1.5	Zeph asked Professor Thivya about the final report rubrics because the rubrics on the wiki were taken away. Professor Thivya said we can refer to the previous rubrics based on the medium article but she will confirm with Professor Christopher again.	
1.6	Zeph asked about the mid-term presentation feedback. Professor Thivya said we will find it on e learn but because Professor Christopher was down for covid, it will be released a little later. The feedback will most likely be out this week.	Pearlyn Low
1.7	Livana updated Professor Thivya on our sponsor check in dates and the UAT testing date.	
1.8	Pearlyn shared her screen and went through the dashboard. She showcased the pre-assigned account for SCDF and explained the legends for the pins. The user has the ability to filter the pins as well. The dispatch function is meant to dispatch the response team closest to the location of the fire. The other function is the mute button, if we press mute, within the hour if there are any changes, it will not change the status.	
1.9	Pearlyn also shared the view from the POV of other stakeholders that only has access to their own pin. Professor Thivya mentioned that there is a yellow pin in the west area. Zeph replied that it was meant for testing.	
With no further items, the meeting adjourned at 1627Hrs		

Prepared by/date

: Henry Wee / 24th March 2022