Minutes of the Project Pyro: Sponsor (OSS) Meeting Minutes

Date   : Thursday, 17th February 2022

Time   : 1100 Hrs

Location   : Zoom (Online)

Present:
Zeph Ng , Backend Developer & IoT Engineer, Project Pyro
Chua Soon Ann, Computer Vision Developer, Project Pyro
Pearlyn Loh, Frontend Developer, Project Pyro
Livana Ho, Project Manager, Project Pyro
Henry Wee, Quality Assurance, Project Pyro
Kelly Tay, UI/UX, Project Pyro
Mr Kelvin Tan, Fire Safety and Education Manager, Office of Safety & Security

Late with Apologies:

Absent with Apologies:

Item	Discussion	Action(s) by
1	***Introduction to our solution***	
1.1	Zeph introduced the various hardware and software we are using. He started off with the introduction of the raspberry bi and thermal camera component. Did a short demo with a lighter and pearlyn went on to show how the dashboard works (explanation of different status)	
1.2	Kelvin asked how to program it to detect a real fire. Zeph explained how we use both the thermal camera and computer vision model as a two step confirmation to determine whether it is a fire. Zeph also showed an example of a testing(burning of incense paper) we did previously to give Kelvin a better idea.	
1.3	Kelvin also suggested us to remove detection of smoke because during the fumigation process, it may cause a false alarm which defeats the purpose of our solution.	
1.4	Kelvin asked what are the criterias and our thresholds for the thermal camera. Zeph replied that our current threshold for temperature is 60 degree celsius and clarified that we wrote the program ourselves.	

1.5	Zeph asked whether there are any suggestions for the dashboard. Mr Kelvin, how do we program the location of the camera? Zeph explained that we used lat,long for the location of the camera. We can increase granularity of the location by adding more decimals, even though our system does not have a GPS we can indicate manually to each individual camera for better accuracy.	
2	**_Checking on user needs_**	
2.1	Henry mentioned we have created two personas based on our previous interaction and feedback. He shared both personas and waited for Kevin to reply.	
2.2	Kelvin shared that there is a middle man(DECAM services) that is the communication portal between SCDF and the relevant stakeholders. He also mentioned that for our solutions, it will not remove the smoke detector system entirely but it can be an add on.	
2.3	Kelvin also shared with us the clause 6.3.11 which supports the solution we are proposing.	
3	**_Update on timeline_**	
3.1	Zeph introduced the current timeline and our progress on the project.	
3.2	Zeph invited Kelvin for our mid-term presentation and he told us he will confirm at a later time.	
With no further items, the meeting adjourned at 1140Hrs		

Prepared by/date   : Henry Wee / 17th February 2022