Minutes of the Project Pyro: Supervisor Meeting Minutes

Date   : Thursday, 3rd February 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	**_Update from Professor Thivya_**	
1.1	Professor Thivya mentioned that she wrote in to her colleagues last week but she has yet to hear back from them. She also did some research and said learning time will increase the accuracy, therefore he can try running it for more epoch in addition to a more accurate dataset. She also read his email and thinks the points Soon Ann had raised are very relevant.	
2	**_Updates from the group: Status on Integration_**	
2.1	Zeph shared screen and showed the visualisation on the raspberry pi and how it works with firebase. He did use a block of ice to show the changes in temperature on the matplot. Professor Thivya then asked what is the framerate of the camera, to which Zeph replied that it is 100 frames per second. Zeph also simulates an actual fire with a lighter to show how the results will change on both the raspberry pi and dashboard.	
2.2	Pearlyn then proceeded to demo the dashboard. Zeph then raised the issue of not being able to run the computer vision model on the raspberry pi for now. Therefore, we will need to change the timeline of the project which we will update after the meeting. The main issue is raspberry pi is in	

	32 bits but the computer vision model uses 64 bits, so we will need to debug some error messages we are facing now via the code.	
3	*Updates on Sponsors*	
3.1	Zeph mentioned one of the main contacts from SMU-OSS left the job so we will only be liaising with Kevin. As for SCDF, our initial contact was MAJ Leon but he just left SCDF so we will be contacting Mr Yeo instead. Kelly is currently working on scheduling a feedback session with SCDF to gather feedback for our current solution.	
3.2	Zeph also mentioned we will try to get SCDF to help us with testing of a real large fire. We will meet the sponsors first and update accordingly.	
4	*Updates on Documentations*	
4.1	Professor Thivya will double check with her colleagues on the extent of this since it is her first time supervising	
4.2	Professor Thivya apologises for the delay and said we will update us as soon as she received any news from her colleagues	
With no further items, the meeting adjourned at 1630Hrs		

Prepared by/date   : Henry Wee / 3rd February 2022