# Meeting Minutes Journal

| Meeting Details | |
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| Date: | 17th February 2022 |
| Time: | 1100-1200 |
| Place: | Zoom |
| Attendees: | Zeph, Soon Ann, Pearlyn, Henry, Kelvin, Kelly, Livana |
| Absentees: | |

| Agenda |
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| Feedback from OSS |

**Meeting Minutes**

1. Raspberry Pi Introduction - **Zeph**
    a. User won't be able to see visual feed, meant for the algo to confirm whether it is a fire
    b. 1 frame/ 3-4 seconds
    c. We will only see the value of the database change and on the dashboard we will see the pin changing colour
    d. Did a live demo with a lighter, and showed the results
2. Dashboard Introduction - **Zeph and Pearlyn**
    a. Pins are all green (Green means there is no sign of fire)
    b. If one of them detects a fire, it will update the database. If the computer vision model or the thermal camera detects fire, it will show a yellow status but if both sends confirmation, the pin status will change to red
    c. Showed a live demo of how the status changed from yellow to red once we do a two step confirmation
    d. The users can confirm it is a fire once the status is red
    e. Kelvin asks how it works if we do the testing on fake fire online, our answer is we did both real and fire (real being incense paper burning) and we have the thermal camera to confirm.
    f. Will the dashboard be integrated with the fire alarm panel? We do not have enough time to fully integrate everything
    g. What about smoke? Can we detect smoke ? Since we wanted to avoid false alarms. (Decided to move on with only fire detection)
    h. Is there software for the thermal camera detection solution? Our threshold

is 60 degree celsius using IR. We use 60 because it is hard to meet 100 and rarely people will carry things above 60 degree celsius. Our model just needed to ensure that there is heat emitting and we wrote the codes ourselves.

3. How did we pin SMU when the camera was with us? - **Kelvin**
    a. Our database uses lat and long with four decimal places. If we want to increase granularity, we need to include more or may include GPS. With that said, GPS is not very accurate and still has a 5-10 metres difference.**- Zeph**
4. We are required to do user  acceptance testing, to ensure the UIUX is good and there is no bug, we plan to do it in the middle of march, and asked OSS whether they can spare manpower to do the testing. OSS can provide the manpower for people to look at the dashboard and provide feedback. Projected timeline is mid march and end of march

5. Project timeline review
    a. Hardware
    b. Software
        i. Dashboard back end not done yet but front end is done, we cannot publish yet because we haven't tied up the back end. We have a pan-tilt device that enables scanning

6. User account management
    a. SCDF view
    b. Oss and other stakeholders view
7. Priority
    a. Dashboard
    b. Secondary
        i. Pan tilt device
8. Talked about phase 2  and phase 3
    a. We leave phase 3 blank because we want to have a buffer incase we need to debug
9. New fire safety code shared **- Kelvin**
    a. Went through the new guidelines for video fire detection
10. Invite him over for mid-term presentation **- Zeph**

| **Action Plan** |
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