

CITS3200 Team 4

Minutes of Meeting 4, held August 21, 2024

Present: Katrina, Fred, Jack, Susheel, Bob, Lilee

Absent: n/a

Location: Ezone, 102C

Agenda Items:

- I. Project Progress, where we are at as a whole
- II. Progress reports (if any)
- III. Jira Board activity
- IV. Discuss Auditor Meeting
- V. Organise meeting time with Jim
- VI. Discuss what tasks we will work on
- VII. Discuss next Meeting Agenda

4.1 Progress Reports

Fred and Bob

- Worked on the Azure server storage, upload and download to/from container

Jack

- Has a basic proof of concept for a scheduler class running on the RaspPi
- Once we have the project public, we need to invalidate our access keys and store them locally
- Make sure a valid key is not in the Github repository history
- Scheduler

Lilee

- Looking into data presentation formats
- Azure has website hosting

Susheel

- Temperature off device
- Looking into MQTT → queuing

Jack and Susheel

- Discussion on perhaps not needing MQTT / its implementation in the project
- Is there a better way to interface with the LoRa devices other than remote calls?

4.2 Project Progress

Fred

- We should achieve connection between LoRa devices within the next week

ALL

- Went through the User Stories due at the end of Sprint 2 and ensured that we were on track for all of them
- The tasks to be done by next week were allocated accordingly, see below

4.3 Auditor Meeting

ALL

- Auditor meeting will be online at 6:30pm Monday 26th August

4.4 Jim Meeting

Bob

- Will organise the meeting, soon as possible

ALL

- SES Training Session attendance in the mid-semester break?

4.5 Allocation of Time - Goals By Monday

- **Bob and Katrina** - Web application design and development - Single Page Application?
 - UI/UX design for web application, have user journey draft and submit to Jim for feedback by Monday.
 - Research various hosting solutions, Azure Web Hosting?
- **Jack** - Documentation on how to configure LoRa devices
 - Setup of devices down on the documentation
- **Lilee and Susheel** - Backend website development, look into portal sign in
 - Basic, locally hosted website up that retrieves data from Azure.
 - Get something from "retrieve_from_container.py" running on that site
- **Fred** - Work on / refine the code running on the RaspPi that uploads to the server
 - Have a well designed Python function that will (hopefully) run on Debian on the RaspPi