

Day One Initial meeting with Ben.

Met with Ben at 3:00 on Tuesday 26<sup>th</sup> Sept.

suggested that LoRaWAN gateway be offline and recommended that project focus primarily on creating an offline LoRaWAN enabled MCU. This helped to refine the project goals and I agreed that it would be best.

This MCU would be connected to a LoRaWAN chip via SPI, and initial first steps would be to get it to a state where a rudimentary LoRaWAN node could ping the MCU. Ideally the MCU chosen would have 2 SPI ports and an SD card reader for future extensibility.

Once this is done, the next steps are:

1. Add GPS function to LoRa nodes and transmit positional data when pinged
2. Attach LCD display to board using SPI and make primitive radar
3. Write data to SD card for later review.
4. Develop google maps client application for live mapping of node locations
5. decide whether bluetooth is applicable/sensible

Future meetings will be at 9:30am on Thursdays

Weekly Meeting 1 28<sup>th</sup> Sept

Unable to attend: trains cancelled

Weekly Meeting 2 5<sup>th</sup> Oct

Ben requested blackboard proposal be completed by following meeting, requirements document by following meeting. The formal proposal was completed that day.

Sunday following this meeting I was incapacitated for 8 days due to blindness caused by a corneal abrasion.

12<sup>th</sup>

Unable to attend: illness(corneal abrasion)

19<sup>th</sup>

Ben requested a plan and all requirement documents/ethical checklists to be completed by the following meeting. Suggested that I purchase a board very quickly so I can begin technical progress. Mentioned that the single reference I'd included with my formal proposal was not sufficient for this stage of the project.

Following this meeting I immediately bought a board which was delivered the following Saturday. Requirements document was handed in this week, though missing several non-functional requirements.

26<sup>th</sup>

I think I missed this meeting due to train cancellations

2<sup>nd</sup> November

Attended but unsure as to content

9<sup>th</sup>

Attended but unsure as to content

16<sup>th</sup>

I think I attended this meeting but am unsure as to the content

23<sup>rd</sup>

I avoided this meeting

30<sup>th</sup>

I avoided this meeting

7<sup>th</sup> December

In this meeting I told Ben I'd been having trouble keeping up work on the project. I stated that I felt some ennui from changing the project fundamentally a few times and had essentially put it to one side and ignored it whilst I had other work to do. I suggested that I could begin work in earnest once the final hand-ins for the first terms modules were completed.

Ben understood my position and was understandably worried about the lack of progress. He agreed that it would be good to catch-up somewhat once the deadlines were passed and suggested a one on one meeting for two weeks from now. I agreed that that would be helpful and he mentioned that Thursday would probably not work.

14<sup>th</sup>

With the meeting from last week fresh in my mind and some deadlines not fully over with yet, I elected to not come to this meeting.

However I also failed over the coming week to schedule an appointment with Ben and so did not have the one-on-one session as previously discussed.