

sddec18-15: Portable DAQ for dogs

Week 2 Report

January 29 - February 2

Advisors

Simon Laflamme

Austin Downee

Client

Simon Laflamme

Team Members

Matt Faronbi — *Communications Lead*

Daeyoo Kim — *Hardware lead*

Rohan Yadlapati — *Co-Team Lead*

Rishab Kinnerkar — *Web developer*

Yan Jie Hui — *Co-Team Lead*

Summary of Progress this Report

We met to discuss our microcontroller and sensor issues we had in our first meeting. After doing our research we managed to search for a microcontroller suitable to our requirements. Our client had provided us with Titanium dioxide-based resistors and we did experiments on it to check for data acquisition. We checked for compatibility issues with sensors our client wanted to be specifically used and the microcontroller we chose. In addition, we discussed our strategy on how to go about with the project.

Pending Issues

- 1) Although we were able to get reading from the sensor yet it would not suffice in our project design. This is because our device would be on a moving dog and our sensor collecting mechanism is unstable.

Plans for Upcoming Reporting Period

Meet with advisor to get an understanding of a feasible working design with the provided sensors.

Individual Contributions

Team Member	Contribution	Weekly Hours	Total Hours
Matt Faronbi	Testing sensors and microcontroller.	4	8
Daeyoo Kim	Researching devices what we are going to use. Testing sensors and microcontroller.	4	8
Rohan Yadlapati	Researched data acquisition. Testing sensors and microcontroller.	5	10

