

sddec18-15: Portable DAQ for dogs

Week 4 Report

February 19 - February 23

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

Anticipating the different shaky conditions our device would be used in we carried tests out accordingly. After having a total of 6 different test scenarios we collected the values we got from the test and also tested sending the gotten values over a wifi module.

Pending Issues

We need to calibrate our device since we got highly varying results by shaking the system differently instead of constant results. Also, could work on an algorithm to anticipate this shakiness and not let it affect our readings.

Plans for Upcoming Reporting Period

Check the feasibility of an algorithm which would reduce this bad data collection when shaky. Make a proper online system for sensor data management.

Individual Contributions

Team Member	Contribution	Weekly Hours	Total Hours
Matt Faronbi	In charge of noting and analyzing sensor values got from test systems. Carried out different test scenarios for data acquisition.	3	16
Daeyoo Kim	Checking test system conditions. Carried out different test scenarios for data acquisition.	3	16
Rohan Yadlapati	In charge of setting up different test systems. Carried out different test scenarios for data	3	18

