sddec18-15: Portable DAQ for dogs
Week Report
February 23 – March 9

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
For better accuracy we chose to use Simulink. After installing Simulink on our device we carried out tests. Looked into stretch sensor and a design to shrink our overall hardware board.

Pending Issues
We need to compare our previously gotten results with Simulink tested results. Although it seems that Simulink is more accurate we need to test the code in the same environment we previously carried our tests.

Plans for Upcoming Reporting Period
Meet with our advisor and discuss our technical progress. We will be doing a comparison between the code. After comparing the results we would be discussing with our advisor on which code we should be using.

Individual Contributions

Team Member	Contribution	Weekly Hours	Total Hours
Matt Faronbi	Got software installed. Learnt Simulink basics. Tested DAQ Simulink block with different values.	6	22

Daeyoo Kim	I researched about the stretch sensor. When the sensor is contacted or relaxed, the capacity is changed, so I tried to figure out the relationship between the capacity change and the form change.	6	22
Rohan Yadlapati	Learnt Simulink basics. Tested DAQ Simulink blocks and experimented with different values. Designed different test cases.	6	22
Rishab Kinnerkar	Learnt Simulink basics. Tested DAQ Simulink blocks and experimented with different values. Made inferences pertaining to the specific test cases chosen and discussed with team.	6	24
Yan Jie Hui	Worked to shrink the overall design. Researched on using ATtiny85 but since it didn't have enough EEPROM it was discarded.	6	24