SE 491 WEEKKLY REPORT 02

Sept. 9, 2018 – Sept. 15, 2018

Group Number: sdmay19-09

Project Title: Mars Rover

Client &/ Advisor: Ben Zambreno (client), Craig

Team Members/Role:

- Calvin McBride / Note-Taker, Secondary Point-of-Contact, Software Developer
- Sam Westerlund / Meeting Facilitator, Primary Point-of-Contact
- Mitchell Freshour / Technical Lead
- Douglas Kihlken / Hardware Lead

o Weekly Summary
The overall objective for our team this week was to meet with the client and better clarify what they wanted for the project, what our scope was, etc. We met with the client and determined key features desired for the Mars Rover. We also setup team tools like Trello, Google Docs, etc.

o Past Week Accomplishments
- Group: Met with client to clarify project desired outcomes and scope.
- Calvin McBride: Read up on JPL Open-Source Rover documentation and looked into sourcing Intel Movidius Neural Compute Stick.
- Sam Westerlund: Read up on JPL Rover. Read JPL Open-Source Rover project documentation to get an idea on software and hardware architecture and roadmap.
- Mitchell Freshour: Analyzed custom PCB designs and rover construction documents.
- Douglas Kihlken: Shopped for parts and looked into construction of Rover.

o Pending Issues

None

o Individual Contributions

NAME	CONTRIBUTIONS	HOURS THIS WEEK	HOURS CUMULATIVE
Calvin McBride	Studied JPL Open-Source Rover documentation and looked into acquiring Intel Movidius Neural Compute Stick.	5	13
Sam Westerlund	Read up more on machine learning. Coded a basic program for image classification with raspi camera as input.	6	12
Mitchell Freshour	Studied JPL Electrical Documentation. Analysed custom PCB designs, and rover construction documents.	5	10
Douglas Kihlken	Shopped for parts, read source code, and researched the JPL documentation specifically looking into physical construction	5	10

o Plans for Upcoming Week
- Calvin McBride: Look into sourcing parts.
- Sam Westerlund: Look into Keras and working on machine learning.
- Mitchell Freshour: Look into sourcing builders for custom PCBs.
- Douglas Kihlken: Assist on ordering parts and hardware configuration.