EE 492 WEEKLY REPORT 5 *Date: 2/27/2017*

2/21/17-2/27/17

Group number: MAY1729

Project title: Garmin Power Sensor Test Fixture

Client: Jeremie Vens

Advisor: Professor Degang Chen

Team Members/Role:

Amna Aftab/Key Concept Holder #1

Brandon Floyd/Team Leader

Stephen Julich/Webmaster

Francis Wagner/Team Communication Leader

Xi Zhu/Key Concept Holder #2

- **Weekly Summary**

After thorough consideration of our testing results, we altered major portions of our design. These changes were implemented in Multisim. We began developing the SD card storage portion of the project.

- **Past week accomplishments**
  - Xi Zhu: Simulation on NI multisim and find issues of our circuit. Worked with brandon to fix some issues on circuit. Attended team meeting.

  - Brandon Floyd: Did complete overhaul of the voltage reading and current reading sections of the circuit design. The voltage reading part of the circuit now functions as intended, and the current reading part is incomplete, but much more simplified.

  - Stephen Julich: Successfully integrated libraries for SD card support into the project. Updated pin mux file for SD support. Added sample code to create directories and files, read and write data to the SD card and verify integrity of the data. Attended team meeting.

  - Amna Aftab: Missed the team meeting due to an onsite interview in Kansas. Communicated with the team about the testing plan.

  - Francis Wagner: Coordinated weekly report. Attended team meeting.

- **Individual contributions**

NAME	Individual Contributions	Hours this week	HOURS cumulative
Xi Zhu	See above past week accomplishments.	4	17
Brandon Floyd	See above past week accomplishments.	9	18
Stephen Julich	See above past week accomplishments.	5	25
Amna Aftab	See above past week accomplishments.	2	9
Francis Wagner	See above past week accomplishments.	2	9

- **Plan for coming week**
  - Prepare for mid-semester presentation.
  - Calculate resistor values to bring currents within op amp ranges.