

EE 491 WEEKLY REPORT 9

Date: 11/7/2016

11/1/16-11/7/16

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

o **Weekly Summary (Short summary about what you did this week)**

We met with our advisor and client on Thursday. We decided to postpone our first CADSTAR design submission to the end of the semester. Also, we will send the design to a factory which can get our PCB board back to us a week after submission. We want our circuit component models to be determined in two or three weeks.

o **Past week accomplishments (please describe as what was done, by whom, when)**

- Xi Zhu: tried to find ADC, reference voltage and other parts and learn how to connect it. Draw some diagram on cadstar.
- Brandon Floyd: Attended weekly meeting. Ordered resistors for use in our circuit. Did more research on potential op-amp models for use in the circuit.
- Stephen Julich: Attended weekly meeting with team advisor and Garmin project sponsor. Got demo code running to read voltages from the adc input to the debugger usb serial connection. Worked on custom adc code for the project. Still waiting for the new microprocessor board to arrive.
- Amna Aftab: Attended weekly meeting. Ordering suggested opamps for our circuit design. Working on the prototype design with the new resistors and opamps.
- Francis Wagner: Missed meeting because of S&C Electric Co. recruiting event. Completed the project design document.

Pending issues (if applicable)

- N/A

o **Individual contributions**

<u>NAME</u>	<u>Individual Contributions</u>	<u>Hours this week</u>	<u>HOURS cumulative</u>
Xi Zhu	See above past week accomplishments.	4	28
Brandon Floyd	See above past week accomplishments.	3	28
Stephen Julich	See above past week accomplishments.	3	34
Amna Aftab	See above past week accomplishments.	3	32
Francis Wagner	See above past week accomplishments.	3	37

o **Comments and extended discussion**

- N/A

- **Plan for coming week (please describe as what, who, when)**
 - Choose our model of Op-Amp for use in our circuit.
 - Obtain a license for Cadstar.