

EE 492 WEEKLY REPORT 2

Date: 2/6/2017

1/31/17-2/6/17

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

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

We had our first team meeting of the semester. After team members briefed each other on current statuses, we decided to begin a schematic design in Multisim as a backup plan if we are unable to obtain CADSTAR software in a reasonable amount of time.

o **Past week accomplishments**

- Xi Zhu: change the schematic and meet with team.
- Brandon Floyd: Started working on conversion chart for voltage and current tables.
- Stephen Julich: Implemented code to configure the onboard RTC. The user can now set the time and date on the board. The RTC resolution is one second so I use this to measure sample throughput. Ordered a high speed micro SD card to start SD reader work.
- Amna Aftab: Started working on the conversion chart for look up table creation.
- Francis Wagner: Coordinated weekly report. Organized team meeting. Attended team meeting.

Pending issues

- Our client has been unable to obtain a software license that is necessary to get our printed circuit board manufactured.

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. | 2 | 10 |
| Brandon Floyd | See above past week accomplishments. | 2 | 2 |
| Stephen Julich | See above past week accomplishments. | 6 | 16 |
| Amna Aftab | See above past week accomplishments. | 3 | 5 |
| Francis Wagner | See above past week accomplishments. | 2 | 4 |

o **Plan for coming week (please describe as what, who, when)**

- We will meet with our adviser Dr. Chen and our client Jeramie Vens on Monday, February 13 at 1 PM. Xi will begin a backup schematic design in Multisim. Amna will work on voltage-current conversion tables. Brandon will facilitate client-team communication. Francis will handle the lion's share of the documentation. Stephen will continue ADC development.