

*EE 492 WEEKLY REPORT 1*

*Date: 1/30/2017*

*1/24/17-1/30/17*

*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**

Each team member reviewed and approved the first complete schematic to be sent for manufacturing. Client was emailed to obtain software license required to submit schematic to manufacturer.

o **Past week accomplishments**

- Xi Zhu: creating new library in cadster and rearrange the sch.
- Brandon Floyd: Began work on redesigning the circuit for the PCB design.
- Stephen Julich: Implemented code to configure and enable 16 ADC channels. Reconfigured clock source and speed options to get more sample throughput. The data sheet says 818 ksp/s but the most I can get out of it is 575 ksp/s. This is enough for us to meet our project specification.
- Amna Aftab: Proofread CADSTAR schematic and attended team meeting.
- Francis Wagner: Proofread CADSTAR schematic design. Coordinated weekly report.

**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**

| <b><u>NAME</u></b> | <b><u>Individual Contributions</u></b> | <b><u>Hours this week</u></b> | <b><u>HOURS cumulative</u></b> |
|--------------------|--|-------------------------------|--------------------------------|
| Xi Zhu             | See above past week accomplishments.   | 8                             | 8                              |
| Brandon Floyd      | See above past week accomplishments.   | 3                             | 3                              |
| Stephen Julich     | See above past week accomplishments.   | 10                            | 10                             |
| Amna Aftab         | See above past week accomplishments.   | 2                             | 2                              |
| Francis Wagner     | See above past week accomplishments.   | 2                             | 2                              |

o **Plan for coming week**

- Organize weekly meeting time and location with our adviser Dr. Chen. Obtain CADSTAR software license.