

EE/ CprE / SE 492 - sddec20-25

Automated Battery Characterizer

Week 10 Report

10/12/20 - 10/25/20

Client: Solar Car

Faculty Advisor: Nathan Neihart

Team Member Roles

- **Kyle Czubak:** Scribe
- **Ben Kenkel:** Meeting Facilitator
- **Joe DeFrancisco:** Chief Engineer & Team Lead
- **Ryan Willman:** Safety Manager
- **Bryan Kalkhoff:** Report Manager
- **Connor Luedtke:** Test Engineer

Weekly Summary

We have received the PCB and have begun to solder it. It should be ready for testing this week. The team is on track to have the project completed well before the due date.

Past Week Team Accomplishments:

- Received PCB
- Enclosure Finished

Pending Issues:

- Board Soldering
- Unforseen design errors

Individual Contributions

Team Member	Contribution	Weekly Hours	Total Hours
Bryan Kalkhoff	Wasn't much to do since the board wasn't in yet. Mostly helped plan what we were going to do when the board did come in.	5	45
Kyle Czubak	Worked with Joe to get a flow chart written to know what should happen and when. Worked on the code for that.	10	50
Ben Kenkel	Began cell labeling page	10	30
Ryan Willman	Finished 3d design of enclosure	10	50
Joe DeFrancisco	Completed Software Flowchart	10	90
Connor Luedtke	Final Document Review	10	10

Upcoming Plans

Joe DeFrancisco

- Solder PCB

Connor Luedtke

- Document review

Ryan Willman

- Start revising design documents

Ben Kenkel

- Finish up cell labeling page
- Start test in progress page

Bryan Kalkhoff

- Help out with soldering the board
- Help out with testing

Kyle Czubak

- Testing I2C with the other components on the board to make sure it is working.
- More testing with the whole system.

Summary of Weekly Advisor Meeting

We held a design review with Dr. Neihart. He provided some helpful information with regards to the manufacturing of the board. Overall he was happy with the board design.