sdmay23-13: Prosthetic arm
Week 7 Report
October 3 - October 9

Team Members
Erik Raman — *Software*
Jack Vetsch — *Electrical*
Jacob Eisbrenner — *Mechanical/ Electrical*
Scott Bolek — *Electrical*
Sean Gray — *Software/Electrical*
Jeremy Wallace — *Electrical*
Leo Forney — *Software*

Summary of Progress this Report
Work continued on mechanical hand CAD design. Parts for power circuity were decided and ordered. Work continued on the motherboard schematic. Design of the amplifier circuit began after the team gained ample understanding of EMG signals. The software team experimented with C200Ware software for MCU code.

Pending Issues
Current issue is getting parts due to supply chain issues happening around the world.

Plans for Upcoming Reporting Period
Electrical schematics for the power board completed. Continue work on mechanical design. Work on implementation of the amplifier circuit and embedded systems code research.

Individual Contributions

Team Member	Contribution	Weekly Hours	Total Hours
Erik Raman	Research on embedded systems code techniques and experimentation with C200Ware.	6	16
Jack Vetsch	Work on schematics and parts selection for motherboard and amplification circuit.	3	16
Jacob Eisbrenner	Mechanical CAD work for hand parts and motors chosen.	10	28

Scott Bolek	Research on touch sensing hardware, design of power board and BMS system	6	16
Sean Gray	Research on touch sensing hardware, design of power board and BMS system	6	16
Jeremy Wallace	Work on power board design and EMG amplification.	8	18
Leo Forney	Research on embedded systems code techniques and experimentation with C200Ware.	6	16

Gitlab Activity Summary

Nothing to report.