

## **EE/CprE/SE 491 WEEKLY REPORT 2**

**February 8- February 22, 2021**

**Group number: 47**

**Project title: Triple Output Power Supply**

**Client &/Advisor: Dr. Tuttle**

**Team Members/Role:**

- **Benjamin Almquist- Test Engineer**
- **Mary Le- Test Engineer**
- **Michael Neilson- Technical Expert**
- **Adam Simodynes- Report Manager**
- **Krishan Sritharan- Meeting Scribe**
- **Chance Webster- Meeting Facilitator**

○ **Weekly Summary**

*The group met for reporting progress made throughout the two weeks. During this time, the group solidified the requirements for the linear regulator required in our final product as well as a fixed output circuit. Some progress has been made with the adjustable circuit, it's waiting approval before they decide to build their prototype.*

○ **Past week accomplishments**

- Ben
  - Worked on regulator design as well as finalized the fixed output circuit.
- Mary
  - Finalized regulator schematic for the switching regulator, made progress with adjustable circuits and inputs and outputs of MCU.
- Michael
  - Finalized regulator schematic for the switching regulator, made progress with adjustable circuits and inputs and outputs of MCU.
- Adam
  - Worked on regulator design as well as finalized the fixed output circuit.
- Krishan
  - Getting parts together via Digikey and finalizing the order by the end of the week.
- Chance
  - Getting parts together via Digikey and finalizing the order by the end of the week.

○ Pending issues

*No pending issues thus far.*

○ Individual contributions

<u>NAME</u>	<u>Individual Contributions</u> <i>(Quick list of contributions. This should be short.)</i>	<u>Hours this week</u>	<u>HOURS cumulative</u>
Ben	<ul style="list-style-type: none"> <li>○ Worked on regulator design as well as finalized the fixed output circuit.</li> </ul>	6	6
Mary	<ul style="list-style-type: none"> <li>○ Finalized regulator schematic for the switching regulator, made progress with adjustable circuits and inputs and outputs of MCU.</li> </ul>	7	7
Michael	<ul style="list-style-type: none"> <li>○ Finalized regulator schematic for the switching regulator, made progress with adjustable circuits and inputs and outputs of MCU.</li> </ul>	6	7
Adam	<ul style="list-style-type: none"> <li>○ Worked on regulator design as well as finalized the fixed output circuit.</li> </ul>		6
Krishan	<ul style="list-style-type: none"> <li>○ Getting parts</li> </ul>		6

	<p>together via Digikey and finalizing the order by the end of the week.</p>		
Chance	<ul style="list-style-type: none"> <li>○ Getting parts together via Digikey and finalizing the order by the end of the week.</li> </ul>		6

○ **Plans for the upcoming week**

- By the end of the week, the group should have their parts to finalize from Digikey, approved by our advisor and get feedback on any useful information he may have, and sent. With the idea being the parts will be here by the end of the next week we can go into a lab and build and test within a lab setting.

○ **Summary of weekly advisor meeting**

*The group hasn't made much improvements with communication to the advisor, they had already sent a couple emails a week ago, to no response. Hopefully by the end of the week we will have caught up with the advisor and give them updated information on the product.*