

EE/CprE/SE 491 WEEKLY REPORT 3

February 22- March 1, 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. They've also finalized a parts list ready to be submitted to the client and see what he says.
- **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">○ Worked on regulator design as well as finalized the fixed output circuit.	6	6
Mary	<ul style="list-style-type: none">○ Finalized regulator schematic for the switching regulator, made progress with adjustable circuits and inputs and outputs of MCU.	8	7
Michael	<ul style="list-style-type: none">○ Finalized regulator schematic for the switching regulator, made progress with adjustable circuits and inputs and outputs of MCU.	7	7
Adam	<ul style="list-style-type: none">○ Worked on regulator design as well as finalized the fixed output circuit.	8	6

Krishan	<ul style="list-style-type: none"> ○ Getting parts together via Digikey and finalizing the order by the end of the week. 	3	6
Chance	<ul style="list-style-type: none"> ○ Getting parts together via Digikey and finalizing the order by the end of the week. 	5	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. By doing so the team should be able to see their parts arrive around the beginning of next week. The group will have two weeks to finalize a circuit board,

○ **Summary of weekly advisor meeting**

The group has gotten contact with the advisor, they had already sent a couple emails a week ago. They tried to facilitate a meeting with him, but to look at his online schedule and pick a time where we can meet, similar to the advisor meeting last semester. Hopefully by the time they discuss they would have already started ordering parts and getting into the lab to build the circuitry.