

Team: P20068 Robotic Drum Assist **Engineer:** Mehmet Koksal

What were the outcomes of the prior phase?

1. What did I plan to do?
 - a. Research more about the circuitry needed to control the motors correctly along with keeping them safe. Find more parts that are better for what we need and update the interconnect design.
2. What did I actually do?
 - a. Found more parts and updated interconnect design
3. What did I learn? How were the plan and reality different?
 - a. The circuitry requires a more in depth analysis of how it should function with different components.

Team level goal for next phase

The team will continue the design work started during this phase, filling out the BOM further and creating a full design that will allow us to quickly begin prototyping and implementation when MSD2 starts. We will create simulations and add more detail to schematics, drawings, and diagrams, with high-quality renders of the final design. Small-scale prototyping will be done as members are able to.

What do I plan on doing to ensure that my team has a successful review at the end of the next phase?

1. Keep updating the interconnect design and how the circuits will come together
2. Research more into parts and designs
3. Start testing the motors more efficiently when accessible to supplies

What is standing in my way of meeting my next phase goals?

Knowledge of existing circuitry and how to implement them into our goals. The coronavirus is a pain and not having access to equipment to use.