

### **What were the outcomes of the prior phase?**

#### **1. What did I plan to do?**

- Observe and contribute to the control circuitry with teammates
- Keep test plan updated
- Work on aesthetics of design

#### **2. What did I actually do?**

- Worked on layout of user interface and how it pertains to the rest of the design
- Updated the test plan, adding in things that can still be considered remotely and highlighting the most pressing tests to keep in mind

#### **3. What did I learn? How were plan and reality different?**

- Working remotely does make it a bit harder to work on specific tasks with teammates. There is less input from both sides when beginning a task. Rather than two people working on something at the same time, it is often back-and-forth between delivered work and feedback (which has been working well for us)
- We are not as restricted in our planning and abilities as we had previously assumed. A big factor in this was the fact that we were able to obtain some necessary hardware.

### **Team level goal for next phase**

The team will continue the design work and project planning. We will keep up with our bill of materials so we know exactly what we'll be working with. We will also continue to work on schematics and running simulations to collect data, which will help us get a better idea of how our system will work. We will continue working on a mock-up for the full design layout and begin prototyping, should we be able to return to campus in the fall. One of our immediate tasks is to formulate a plan for the possibility of being unable to return to campus in the fall.

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

#### Specific tasks

1. Continue to observe and follow software development with teammates Irfan and Josh (~5 hrs)
2. Put together control circuitry with teammates Irfan, Josh, and Mehmet (~5 hrs)
3. Keep working on aesthetics of device design with teammates Irfan and Hannah (~2 hrs)
4. Determine power distribution and delivery with teammates Mehmet and Yasha (~2 hrs)

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

- Delays and/or difficulties with communication between team members due to working from home
- Lack of ability to prototype as planned due to the current situation
- Individual abilities to work on the project over the summer