

Weekly Report #7

1) In last week's team meeting, we had one more drone part arrive. We met twice this week to work on construction of our drones. The team has almost completely finished soldering the main boards for their drones. Research was also done into the material needed to complete the propeller guards. The team was also able to determine that, at full throttle, our drones would be able to fly for approximately 7.13 minutes at the recommended 80% discharge.

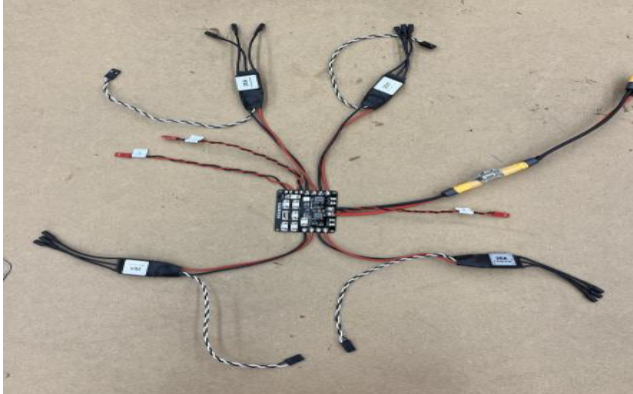
2) For the upcoming weeks, the team will continue meeting twice a week to work on drone construction. 3D modeling will soon be completed in Inventor of the propeller guards. Airframe construction will also be completed within the next few weeks. Rob intends to finish the formal lecture portion of our instruction following spring break.

3) The team met on February 28th and March 1st with Rob to complete drone construction. We also made plans involving meeting over spring break and future meetings throughout the semester. These meetings include two, two-hour weekly sessions to work on construction to make up for delays while waiting for parts. The team is still waiting on the arrival of our battery chargers and a few other items, but has otherwise received all of the needed parts.

4) Current website link: http://dasp.mem.edu/~swarm_sp23/index.html



Team soldering drone components



Fully soldered components. Long black components are to the motors and the long yellow wire is to the battery.

5) Each team member has spent 4 hours on the project this week.

6) Maggie Atkinson and Anthony Torres