

May1738**Project: Flying flashlight****Advisor: May1738****Members: Peter Bonnie, Brady Koht, Joe Wickner, Scott Melvin, Sebastian Roe**

○ **Weekly Summary**

Our group researched and discussed flight controllers to use for a quadcopter. We want to find something that is cheap but has enough features to allow for minimum user involvement. These features include but are not limited to GPS, self-leveling, ability to communicate with a microcontroller.

Additionally, we began to research into electronic speed controllers, motors, and specify weight and size so that we may narrow down our choices on components. The goal over the next two weeks is to pick most of the main components for the quad copter.

○ **Past week accomplishments**

- Peter/Brady/Sebastian: researching flight controllers and narrowing down options
- Joe/Scott: researching frames and possible LEDs to use on the copter

○ **Pending issues**

- Scott/Joe:
- Peter/Sebastian/Brady:

○ **Individual contributions**

<u>NAME</u>	<u>Individual Contributions</u>	<u>Hours this week</u>	<u>HOURS cumulative</u>
Peter	Organized meeting times/researched controllers	3	6
Brady	Researched flight controllers	3	6
Scott	Frame and LED research	2	5
Sebastian	Researched flight controllers	1	4
Joe	Frame and LED research	2	5

- **Comments and extended discussion**

We hope to decide on a flight controller within the next week or two and subsequently decide other components.

- **Plan for coming week**

Scott/Joe: Select appropriate material to fabricate our own quadcopter frame and narrow down LED options

Peter/Sebastian/Brady: Research and pick a flight controller

- **Summary of weekly advisor meeting**

NA