Group: May 1738

Project: Flying flashlight

Advisor: Professor Gary Tuttle

Members: Peter Bonnie, Brady Koht, Sebastian Roe, Joseph Wickner, and Scott Melvin

- o **Weekly Summary (Short summary about what you did this week)**
  Our goal for the past week was to select a flight controller that had the capabilities we needed. After some rigorous debate, the group made a decision to use the open source controller MultiWii. After the controller was chosen, other parts were starting to be selected like LEDs, speed controllers, motors, and a frame. In order to select motors, we had to estimate the weight of the copter. This meant accounting for all components we think will be connected on the copter and overcompensating the weight of each component.
- o **Past week accomplishments (please describe as what was done, by whom, when)**
  - Peter/Brady/Sebastian: Helped research and select flight controller, LEDs, and weight calculation
  - Joe/Scott: Confirmed the choices on the controllers, researched frame design/material, researched LED choices.
- o **Pending issues (if applicable)**
  We need to select motors so that we can start to order parts and calibrate speed controller.
- o **Individual contributions**

NAME	Individual Contributions	Hours this week	HOURS cumulative
Peter	Further researched and selected flight controller	2	8
Brady	Further research and selected flight controller	2	8
Scott	Further discussed frame design and possible LED choices	2	7
Sebastian	Helped select flight controller and LED choices	2	7

Joe	Also helped with frame design and LED choices	2	7

o **Comments and extended discussion**

Now that flight controller is selected the ESCs and motors are the last big components to be selected. ESCs are generally easy to select but motors/prop need to be chosen carefully.

o **Plan for coming week (please describe as what, who, when)**
o Scott/Joe: Possibly design a basic frame in AutoCAD
o Peter/Sebastian/Brady: Pick motors/props and ESCs, then possibly send parts list to Lee if the group decides that we have everything we need.

o **Summary of weekly advisor meeting (if applicable/optional)**

NA