weekly memorandum

|  |  |
| --- | --- |
| to: | James Pettit |
| from: | Bradford Stricklin |
| subject: | srt week 1 |
| date: | September 13, 2015 |
|  |  |

**LAST WEEK**

Last week, we were assigned the task of familiarizing ourselves with the new rules for the advanced category as well as coming up with two or three ideas for the payload. The payload should have research merit and would ideally involve grades K-12 in some capacity (for extra points in scoring).

**THIS WEEK**

After receiving the IMU from Roshin, I will begin working on incorporating it with my Arduino Mega so as to create a proof of concept program. This program will output changes in position based on the changes in the orientation of the IMU. These outputs would then obviously be tied to electric motors for use in the active stability module. On top of this, I will be doing more research on payload possibilities once we have received word back on the clarifications of some of the rules.