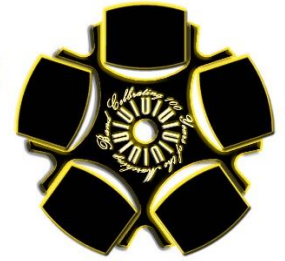




THE BEAST



Mentor Meeting #8

Monday, 08/26/2019

AGENDA

<u>Topic</u>	<u>Item</u>	<u>Resolution</u>
Business		
Example	<ol style="list-style-type: none"> Status on Control System Algorithms and Circuitry. Plan moving forward? (Chris) Status of Fabrication. (Nick) Budget Updates (Nick) 	<ol style="list-style-type: none"> Raspberry Pi Remote Connection Option has been fully investigated. Headless mode via local connection or remote internet connection is easily conducted. However, other problems arise. The Raspberry Pi, despite having more processing power, is not as time accurate as a microcontroller like an Arduino. Additionally, remote usb connection and control via a PS4 controller was investigated. Remote USB requires third party software that costs \$100 for a license and is not user friendly. The final control solution moving forward is to use two Arduinos with the Flysky receiver to get over processing hurdles. One Arduino will process the rotational signal, and the other will process the translational signal as well as a standard analog (less demanding than pulsein()) signal. Nick and Jake have finished machining the wheel hubs, 80/20 has been cut. Current Budget = \$933.00 of \$1000.00