Nakuja Progress Meeting January 2020 Flight Control

Derrick Kirimi

Tasks completed last week

. Onboarding and project familiarisation.
. Soldering on the sd card.
 [#Github issue number] ..#29
. Research on redesigning the reaction wheel
 [#Github issue number] ..#24

Tasks This Week

Determine:
1. Rocket Moment of Inertia
2. Total torque to be countered.
3. Reaction wheel parameters
   .Radius
   .thickness and breadth, and density(material))
4. Motor selection depending on speed

5. Use Matlab Simscape Multibody to simulate the full mechanics.

Timeline

Month	Week	Tasks
Jan	Week 1	Familiarising with the N1/N2 project. Soldering of SD card on prototype flight control PCB.
	Week 2	Research on design of the N2 reaction wheel. Logging of data onto the SD card.
Feb	Week 1	Solder SD card on prototype flight control PCB #29 Design of the N2 reaction wheel