

Internship 2022

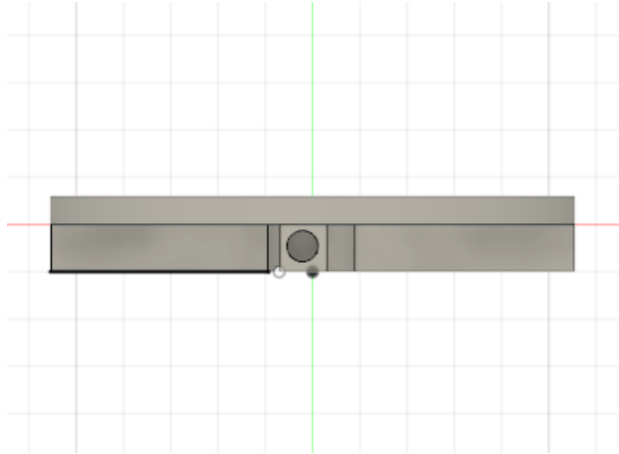
Progress report format
for Flight Control team

Name: FAITH CHELANGAT

Tasks completed last week

- [#28] ...Design of the mounting case

The onset for design of mounting case has begun.



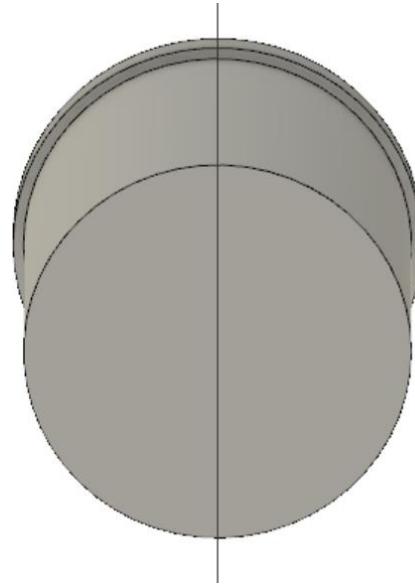
[#] ...Fabrication of the reaction wheel

- The fabrication of the reaction wheel begun but still incomplete



[#27] ...Designing the safety cage for the reaction wheel

- The onset on design of the safety cage
- However, this is not necessarily how the final design will look like. It is prone to changes



Tasks in this week

- [#29] ...Logging data onto the SD
- [#25] ... Testing the reaction wheel with current firmware

~Due to issues which had been experienced during the previous testing,we'll retest the reaction wheel

- [#26] ...Improving Kalman filter performance

Timeline

Month	Intern week	Tasks
Jan		
	Week 1	Familiarising with the N1/N2 project Research on the design of reaction wheel
	Week 2	Soldering of prototype flight control PCB
	Week 3	Design of the N2 reaction wheel
Feb	Week 4	Testing of the reaction wheel Finalising on the Design of reaction wheel
	Week 5	Design of safety cage Design mounting case Avionics bay design
	Week 6	Improvement of Kalman Filter Data logging
	Week 7	Launch of N2