RECOVERY TEAM PRESENTATION (B2)

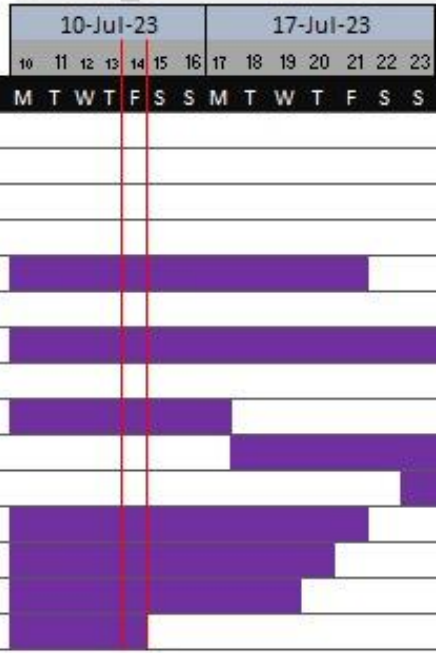
WEEK 12

Project Lead: Dr. Aoki

Project Start: Tue,2-May-2023

Display Week: 11

TASK	ASSIGNED TO	PROGRESS	START DATE	END DATE	DURATION
Introduction	N/A	100%	2-May-23	5-May-23	3
Change the piston cylinder to steel	E/T	100%	8-May-23	12-May-23	4
Implement the OTA updates to the system	V/C/B	100%	15-May-23	19-May-23	4
Rectifying the code for the piston test	S/B	100%	17-May-23	19-May-23	2
Design the Mechanism for holding the flight computer	B/E	70%	12-Jun-23	21-Jul-23	39
Design and fabrication of the ejection cap	B/E	90%	22-May-23	30-Jun-23	39
Determine the amount of crimson powder to be used	E/T	60%	22-May-23	24-Jul-23	63
Design and fabricate the PCB for the flight computer	P/C	100%	9-Jun-23	1-Jul-23	22
Design the mechanism to hold the piston in the rocket	B/E	95%	5-Jun-23	17-Jul-23	42
Test the ejection system with the nose cone		10%	18-Jul-23	23-Jul-23	5
Test how to log data from the flash memory		10%	23-Jul-23	30-Jul-23	7
Research the best time to eject the parachute	V/T	80%	22-May-23	21-Jul-23	60
Test the flight computer		60%	7-Jul-23	20-Jul-23	13
Test the communication system		20%	4-Jul-23	19-Jul-23	15
Video transmission from the rocket		20%	23-Jun-23	14-Jul-23	21



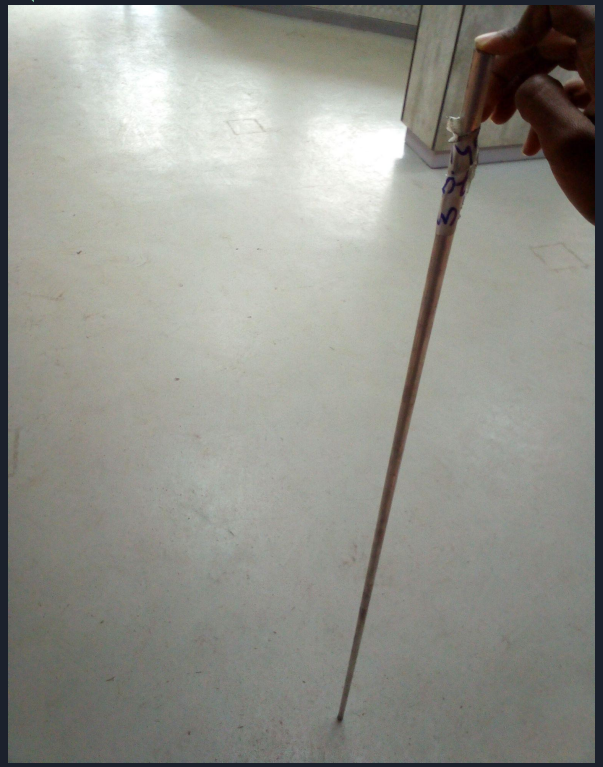
KEY:
B-Barbara
E-Erick
T-Tonny
P-Patrick

THIS WEEK'S OBJECTIVES

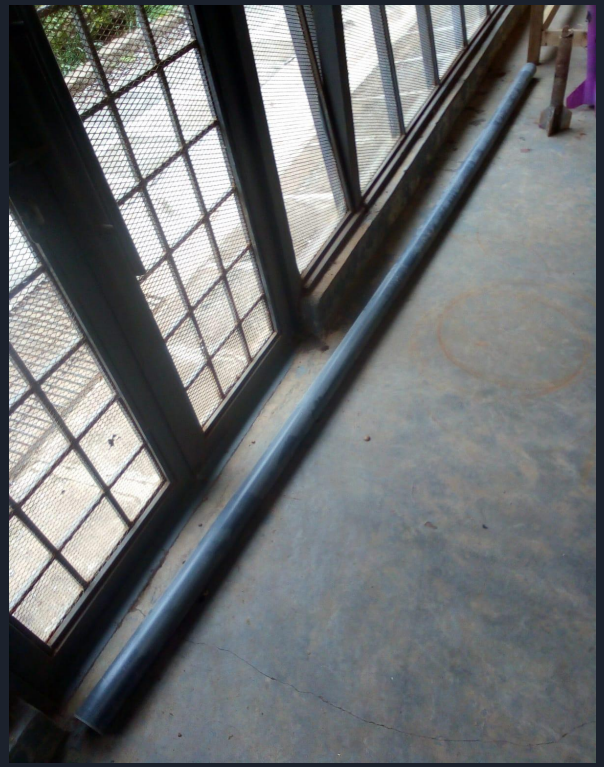
- Acquisition of Aluminum and PVC pipe for the piston and parachute bay.
- Design the mechanism to hold the flight computer during the drone test.
- Determine why there is no transmission when the ESP is powered by a LiPo battery.
- Conduct the drone test.

ACQUISITION OF MATERIALS

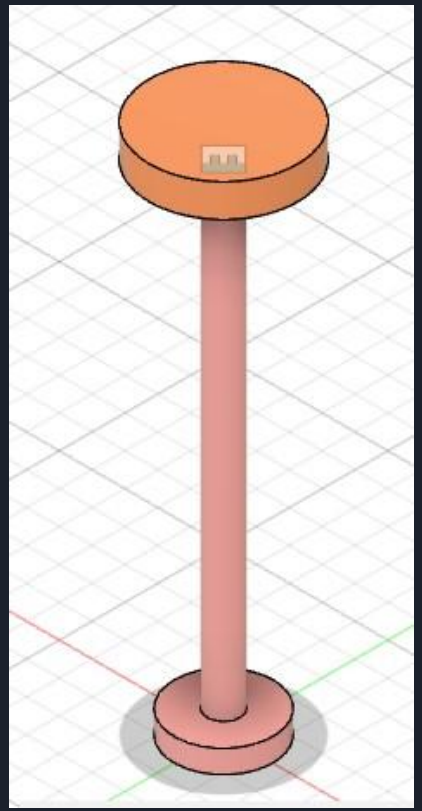
ALUMINIUM



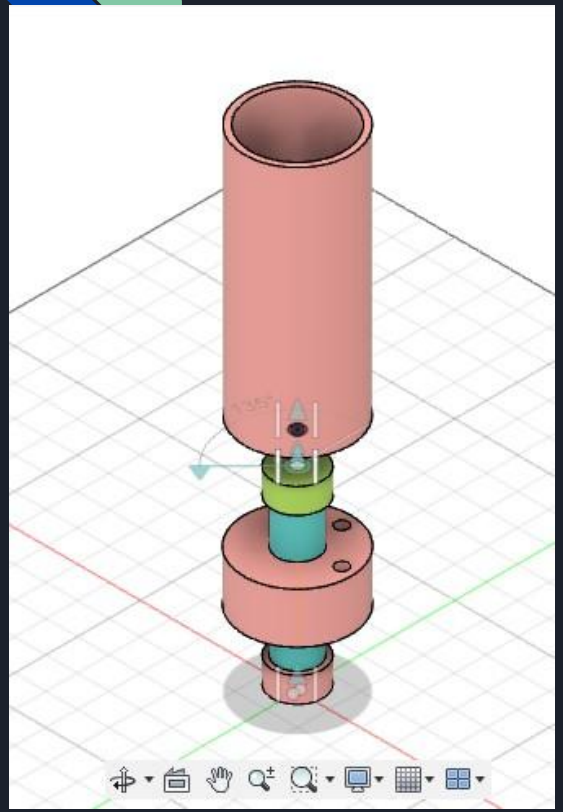
PVC



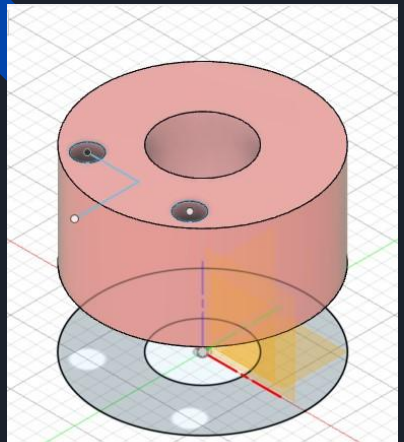
PISTON

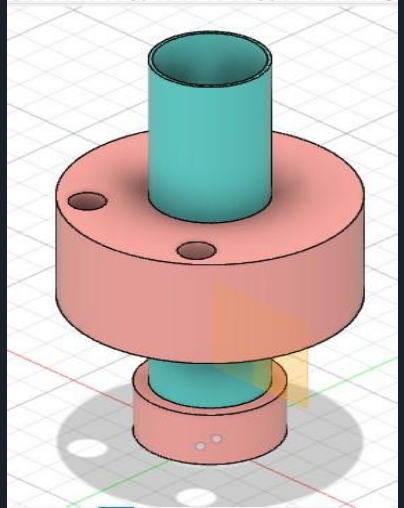


PARACHUTE BAY

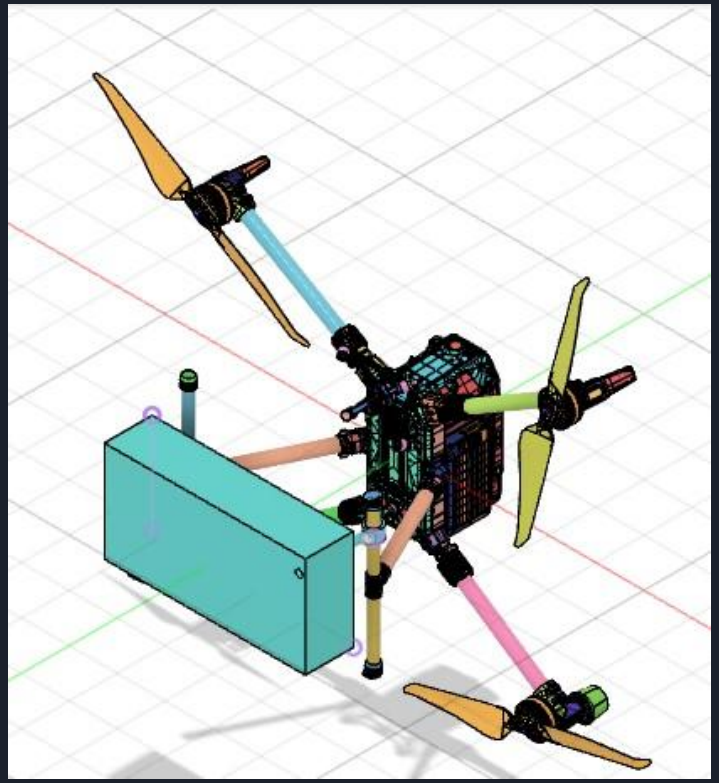


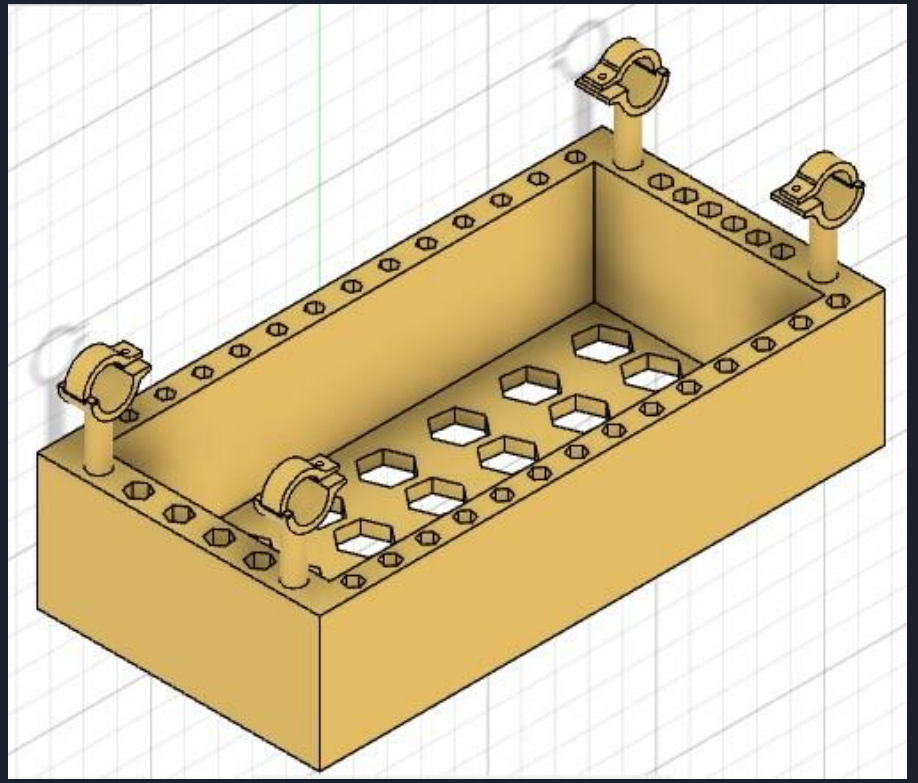
PISTON HOLDER





FLIGHT COMPUTER CARRIER





NEXT WEEK'S OBJECTIVES

- Finalize on design of the flight computer carrier.
- Print the carrier for the flight computer.
- Determine why there is no transmission when the ESP is powered by a LiPo battery.
- Perform the drone test.
- Lathe the aluminium rod into the piston dimensions.
- Look into holding the piston in the airframe.