Objectives to Work on Before Next Meeting

Mechanical Engineering & Physics - Pep & Roshan

1.0 - Initial Drawings/Design/CAD

- **1.1** - Start working on the initial drawings, thinking of the design with the references from the video https://www.youtube.com/watch?v=CvPTtBKq3NU, and also the size we talked about in the last meeting, and also the placements of servos and fans that you illustrated for Pep, and then from there, the CAD.

Deliverable: Initial Drawings for design, and then start working through CAD just like you did for the 3 Bearing Module Pep

Electrical - Jeff

1.0 - Power & Wiring Architecture

- **1.1** - Design the abstract block diagram for our electrical system, as we talked about in the last meeting.

Deliverable 2: System Diagram (You could use something like Eraser)
Additional Topics:

- Familiarize yourself with I2C, PWM, UART, and SPI

Software - Ayaam & Vivienne

1.0 - Simulink Simulation and System Design

- **1.1** - I don't know how much both of you are familiar with Simulink, but Simulink is a very powerful software that always us to simulate our aircraft, simulate control, simulate power management, and a variety of other things. If you look at the video https://www.youtube.com/watch?v=CvPTtBKq3NU, at the end, the person utilized Simulink to model everything about the system. We need to do the same, so start learning more about Simulink, look through the blocks they utilized in the video, all beit its a very short clip.
- **Deliverable 1:** Create Simulink Simulation and System Design