Staff Meeting

Topic: Individual Analysis Progress

Tuesday, October 30, 2018- 6:30 pm - 7:00 pm

Location: Room 314

Minutes recorded by: <u>Braden Weiler</u>

Meeting called by: <u>James Seganti</u>

Attendees: Damian Lumm, Angel Montiel, Caleb Hatcher, James Seganti, Braden Weiler

Executive Summary:

The main objective of this staff meeting was to go over the progress we had made on our individual analysis reports and ask any questions of what was expected for our reports. To begin the meeting, each of our team members went over the progress we had made on our calculations and how we felt they were going overall. After that our team showed Amy the SolidWorks model that we had started since Angel and James will need it for their analytical reports. Amy seemed to think that the model was of good quality so far and that it would meet the requirements for the final design with some changes. Furthermore, Damian went over his code for the propeller selection to make sure that his units were correct after Dr. Oman mentioned that our calculations should be in english units for the competition. James then discussed how Dr. Acker told him that the CFD analysis might be difficult for our project, so our team was starting to come up with new ideas of what he could do. However, James mentioned that he might still try the CFD analysis, but with a program that the competition provides which may be easier than using SolidWorks. With that said, Amy mentioned that he should still try the CFD analysis, but get it checked by Dr. Acker to make sure it seemed reasonable for our calculations of drag. Overall, our team got all of our questions answered and Amy seemed to think that we were making good progress on our individual analysis reports.

Table 1. Record of meeting.

6:30 pm to 7:00 pm	Introductions
	- Each member of our team went over the progress that we have made on our individual analysis reports and the plans of how we would get them done - Our team showed Amy the SolidWorks model that we had started to get some thoughts about the quality of it - Damian checked to make sure that his code was running properly now after he changed the units over to english

	● James discussed how Dr. Acker told him that the computational fluid dynamics analysis might be difficult, so our team was coming up with new ideas of how to calculate drag
	Comments from Amy or Dr. Oman ● Amy said that our model was looking good and that she thought it was close to the quality needed for the final CAD model ● Amy double checked that all our calculations are in english since she felt that the competition won't want to look at calculations in SI units