

MEETING MINUTES

Topic: Meeting 9- Finalizing Analytical Reports

Monday, October 8, 2018- 10:30 am to 2:00 pm

Location: Capstone Room

Minutes recorded by: Braden Weiler

Meeting called by: James Seganti

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

Executive Summary:

The main objective of this meeting was to finalize the individual analysis that each of us would do to be prepared for the capstone lecture where Dr. Oman and Amy would check with us to see what we planned to do. That being said, we discussed doing the motor analysis by selecting three of the best motors we could find and then calculating the power output and flight time that each motor would produce. Along with that, we planned to do a propellor and motor analysis for the ME 495 lab where we would measure revolutions per minute, thrust output, and the heat of the motor. For the fuselage analysis we planned to find the center of gravity to get an idea of where it would be located. In terms of the airfoil and propellor, Caleb and Damian already had codes generated to analyze both of those components, so we had finalized what analysis they were doing. Finally, we planned for James to do a simulation for the wing in SolidWorks to get an idea of the lift that could be generated. To finish off the meeting, we planned to get the Individual Analysis memo done and begin working on our analysis for each component at the next meeting on Friday.

Table 1. Record of meeting.

10:30 am to 11:00 am	Introductions <ul style="list-style-type: none">• Discussed what each of us plans to do for the individual analysis and how it could benefit the project• Discussed doing a propellor and motor analysis for the ME 495 lab
11:00 am to 1:30 pm	Capstone Work <ul style="list-style-type: none">• Looked over the codes for the airfoil and propellor to see what analysis had been started

	<ul style="list-style-type: none">● Planned to do the motor analysis by selecting three of the best motors and doing analysis on the power output and flight time of each one● Planned to do an analysis of the center of gravity for the fuselage to get an idea of where it will be located
1:30 pm to 2:00 pm	Plans for next meeting <ul style="list-style-type: none">● Complete the Individual Analysis Memo● Begin work on our individual analysis● Start planning out how we want to mount the motor and propellor for the ME 495 lab

Next formal meeting: October 12, 2018, Machine Shop, Building 98C, at 10:30 am