

MEETING MINUTES

Topic: Meeting 6- Analytical Research and End of September Plans

Monday, September 24, 2018- 10:30 am- 1:30 pm

Location: MEP Lounge

Minutes recorded by: Braden Weiler

Meeting called by: James Seganti

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

Executive Summary:

To begin the meeting, our team went over the plans we had for the last week of September and into the beginning of October. For the last part of September we planned to watch the SAE livestream for registration instructions, meet with the Flagstaff Flyers at the location where they fly their planes, meet with Dr. Tester to go over our progress, and begin using a flight simulator after Jeremy from the micro team offered to let us use his software and controller. Most importantly, we made sure that we could all meet at 6:45 am in the engineering building for our registration on October 1st. After discussing plans for the week, our team began looking into equations and code that could be used for finding thrust of the propellor on the MIT website. Along with that, we discussed how we wanted to do calculations for finding the best airfoil for our plane by using the code that Caleb had started from his aerodynamics course. To end our meeting, we talked about the research that should be done by each team member to start concept generation and individual analysis.

Table 1. Record of meeting.

10:30 am to 11:00 am	Introductions <ul style="list-style-type: none">• Discussed meeting with the Flagstaff Flyers on Sunday morning to introduce ourselves and see how they can help out• Planned to meeting with Dr. Tester on Friday morning to keep him up to date on the progress we are making• Talked with micro about sharing a flight simulator since Jeremy has a controller for Realflight 5• Discussed how the website should be laid out so Angel could get started working on it
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<p>11:00 am to 12:30 pm</p>	<p>Analysis research and work</p> <ul style="list-style-type: none"> ● Researched equations that could be used for finding the thrust of the propellor since it is one the major calculations for the plane ● Looked over the SAE rules to see limitations of the battery so we could start researching which battery we want to use and how many we want to use
<p>12:30 pm to 12:45 pm</p>	<p>Plan for next meeting</p> <ul style="list-style-type: none"> ● Update Dr. Tester about where we are at with our analysis of the plane ● Go over the 2019 rules with Dr. Tester and address any questions that we might have
	<p>Plans for the week</p> <ul style="list-style-type: none"> ● September 27th- Watch the livestream for registration instructions ● September 28th- Plan to meet with Dr. Tester to check that we are going in the right direction for our analysis ● September 30th- Try to meet with the Flagstaff Flyers at 7:00 am ● October 1st- Meet in the engineering building at 6:45 am to complete registration for the competition

Next formal meeting: October 1, 2018, Internet Cafe, Engineering Building, at 6:45 am