

MEETING MINUTES

Topic: Meeting 8- Concept Generation

Monday, October 3, 2018- 5:15 pm to 7:00 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, we went over the MATLAB code that Caleb worked on with Dr. Schafer to see how the calculations were being done for the airfoil. As we went through the code we validated the equations that were used and discussed what the airfoil would look like. After that we began our concept generation by using the 635 method where each of us created a sketch for the fuselage, tail, wings, propellor, and landing gear. For each sketch we spent 5 minutes drawing our idea and then passed the paper to the left to start the drawing for the next component until we all created a sketch for each component. Once all the sketches were completed, we went over the ideas as a team to discuss which ideas seemed to be the best choice for each component. After discussing the ideas Angel and Caleb had to leave, so Damian, James, and Braden completed the Pugh charts for each component of the plane. To end the meeting, we planned to finalize our individual analytical reports at our next meeting to be prepared for the meetings after the capstone lecture on Tuesday.

Table 1. Record of meeting.

5:15 pm to 5:45 pm	Introductions <ul style="list-style-type: none">• Looked over and discussed the MATLAB code that Caleb worked on for the airfoil• Discussed which method we wanted to do for the concept generation
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<p>5:45 pm to 7:00 pm</p>	<p>Concept Generation</p> <ul style="list-style-type: none"> ● We used the 635 method to generate ideas for the wings/ airfoil, fuselage, landing gear, propellor, and the tail ● After each of us created a sketch for each part of the plane we looked over the ideas as a team to roughly start the evaluation of them ● Towards the end of the meeting Damian, James, and Braden completed the Pugh charts for each component of the plane
	<p>Plan for next meeting</p> <ul style="list-style-type: none"> ● Finalize the analytical reports that each of us will do to benefit the project in the most effective way ● Go over the Pugh charts that we completed as a team to ensure that we all agree with the ratings of each sketch

Next formal meeting: October 8, 2018, Capstone Room, Engineering Building, at 10:30 am