

Team/Client/Instructor Meeting - 7/2/19

Start Time: 11:30am

End Time: 1:00pm

Client/Instructor Meeting:

- Python will be okay if it has DAQ interfacing capabilities.
- NI-based Data acquisition is what we currently have
- Make Gantt chart more descriptive in title descriptions
- Add more small things to Gantt chart (i.e. decision making deadlines, when we will learn how to use the wind tunnel, etc....)
- On Snapshot day (Monday, 7/8) show where we currently are in each area, put on wiki.
- 3D print first version of airfoil for testing and prototyping
- Research Markforged 3D printing capabilities for a stronger 3D printed airfoil that would not need to be machined.
- Make an airfoil decision by next week
- Need to make a horizontal stand design as well
- Update wiki page before Friday.
- Wednesday (7/10) we will have the instructor/client meeting.
- Logbook's due by Tuesday at midday.
- Save portfolio as pdf, turn in Tuesday as well.
- Try to get airfoil printed by early next week.
- Stop by Dr. Durgesh's office to pick up book for equation of making and airfoil.
- Send Dr. Beyerlein an email when we are ready for him to look at the wiki page.

Team Meeting:

- Made a list of action items that we need to complete
- Made a pro's and con's list on vertical airfoil stand design vs horizontal.

Vertical Stand:

Pro's - 1 load cell needed, easier to design, no redesign of wind tunnel test section area, smaller user friendly stand

Con's - Backward moment, vibration prone, no design references

Horizontal Stand:

Pro's - Stable, less expensive load cells

Con's - Heavy, not-user friendly, wind tunnel test section redesign required

Action Items:

- 1) Gantt chart update with more descriptions and decision dates
- 2) Get book from Dr. Durgesh - JA
- 3) Make airfoil in Solidworks - JA
- 4) Research controller for motor that can work with DAQ and Python
- 5) Work on Project portfolio - Team
- 6) Update wiki before Friday with where we are currently
- 7) Make decision on airfoil by next week - JA
- 8) Start 3D printing airfoil at the end of next week
- 9) Design Horizontal stand - BG