

Location: EGR Rm. 314

Date: 10/30/18

Time: 6 pm

Abstract: Go over website, budget, individual reports, upcoming deadlines, and slack usage

Slack

All

- USE THE SLACK FOR ALL QUESTIONS AND COMMENTS

Website

Abdulaziz

- Needs to fix main page
- Update meet the team with everyone's write up and pictures
- Update project background
- Add photos from disassembly into the gallery
- Add meeting minutes

Budget

Faisal

- Put together a document for the budget
- Needs to figure out how to get us a reimbursement

Individual Analysis

Naser

Has found equations and will bring questions to Willy about the shaft.

Faisal

Has found some new equations to do calculations on the yaw.

Abdulaziz

Has started using mechanics of materials book to find the load and the stress on the tower. Thrust from the last team was 15N so calculations will start around that number.

Riley

Has made good progress on blade code using Qblade. Has selected 3 airfoils for the base, middle, and tip of the blade. Once he gets a better power output in Qblade he will draw up the sketch in SolidWorks

Tanner

Has done most of his calculations in MATLAB and needs to start comparing linear actuators and stepper motors to figure out what will be better for applying force.

Upcoming Client Meeting Expectations

Naser – will show willy the bearing that he bought and have a demonstration in Solidworks. Look into pillow block bearings.

Abdulaziz – Will show willy his updated tower design

Faisal – Bring matlab code for yaw design

Riley – Will show Solidworks and Qblade information

Tanner – Will show off rocker slider braking design and will ask questions about matlab code.

Upcoming Deadlines

- Website Check 2 (11/2)
- Analytical reports due next Friday (11/9)
- Presentation is in 2 weeks (11/13)
- Prototype and Full CAD package (12/3)

Meeting Adjourned: 7 pm