

Location: EGR Rm. 108 (Capstone Room)

Date: 11/27/18

Time: 6:30pm

Abstract: Discuss prototype and Final CAD Package

- Prototype
 - Build 2nd iteration that was presented to Willy
 - Print all parts with Tanner's 3D printer
 - Tanner will piece everything together
- Final CAD package
 - Talk to Willy about what needs to be fixed from the last iteration
 - Due on 12/7/18
 - Parts that everyone needs to look at
 - Abdulaziz: Tower should be shortened, should not be tapered in, and needs to work with Faisal to figure out yaw bearings that will be fitted on tower
 - Naser: Shaft needs to either be broached or have set screws. The diameter should be selected as a team and the length needs to account for the length of the nacelle and how big the blades are
 - Faisal: The yaw needs to be lighter. Figure out a design that will make it hollow
 - Tanner: For the brakes, a final selection on the linear actuator needs to be decided
 - Riley: The blades need to have more solidity to help us extract more power from the wind. The blades need to be spinning counter-clockwise, the airfoil camber needs to be flipped
 - Have all updated parts to Tanner by 12/1

Meeting Adjourned: 7:30pm