Name __________________________

Due date: Tuesday, May 21, 6pm

Submission method: D2L Dropbox hw#8

Team Responsibilities

This homework is a prod to help your team be more efficient with your human resources so that you stand a good chance of getting a working prototype done by the end of the quarter. I am still going to leave it up to you to decide who does what and when.

Here is a minimum list of items that need identifying, ordering, and assembly for the prototype:

1) Propeller blade mounting and attachment to shaft
2) Shaft sizing and ordering
3) Bearing size and ordering
4) Rotor (2) construction and shaft mounting mechanism
5) Stator construction
6) Rectifier construction
7) Final assembly and testing

Time-critical items need to be identified first and ordered ASAP.

Other items to be completed by the last class of the quarter (Thursday, June 6). Note I plan to use the final examination time for exit interviews.

1. Final project presentation (Thursday evening, June 6)
   a. Colloquium style and length
   b. Submit PowerPoint presentation to Project dropbox (one submission for the group)
2. Final poster
   a. Template: https://gab.wallawalla.edu/~curt.nelson/engr390/common/poster template.pptx
   b. Submit to Project dropbox in D2L
3. Final Report - see example on web page under Project heading
   a. Must include at least the following items:
      i. Title page
      ii. Introduction
      iii. Project goals and objectives
      iv. Project description
      v. Quarter timeline
      vi. Parts list
      vii. Technical analysis and design
      viii. Cost analysis
To Turn in for HW #8

Each person must submit a document to the hw#8 dropbox with detailed answers to the following questions by the submission deadline. Note that all issues noted above, both prototype construction and the other items list must be addressed with individual name(s) assigned. This homework carries a lot of weight as far as a grade is concerned.

What are my individual action items?

What is my timeline for completing them?

Are there any technical / personnel issues you wish to share with me that could prevent you from completing your assigned responsibilities by the end of the quarter?