MEETING MINUTES 8

Topic: Meeting 8 – Meeting 8 Test team A

Monday, October 30, 2017 – 5:30pm – 7:30pm
Minutes recorded by Devon
Meeting called by Devon
Attendees: Devon, Evan, Aaron, Qian, Soud, Kory
Executive summary:

5:30pm-6:15pm	**Action items**
	Kory
	   - Update progress tasks status
	   - Functional model with Tristen and Alex
	   - Create report templet
	Soud
	   - Shaft analysis
	   - Update MATLAB / look for new shaft materials
	Qian
	   - Update inductor selection
	   - Research mosfet selection
	   - Determine overall system design
	Evan
	   - Determine the "why" on boost converter
	   - Fix design in simulink
	Arron
	   - Continue working on generator in Simulink
	   - Build rectifier for Willy dyno
	Devon
	   - Meeting minutes
	   - Find Reynolds numbers for the turbine
	   - Help finish cad package

6:15pm-6:45pm	**Next week prestation**
	   - Same templet as preliminary report
	   - Presentation due Monday before class
	   - Report due Friday at midnight
	   - Have sections done before Wednesday to compile report for review Thursday and Friday

6:45pm-7:30pm	**Second analytical analysis**
	Start thinking about what needs to be done.
	What do we want to analyses?
	Areas of analyses
	Kory
	   - Build apon current bearing code
	Devon
	   - BEM iterator working and 10th blade iteration
	Arron
	   - Revisit dyno and get actual power curves
	Evan
	   - Control theory for boost converter
	Qian
	   - Competent selection and sizing

	Soud - Factor of safety with different materials - Spec charts for off the shelf shafts