TASK NAME	RESPONSIBLE	Date		Sep-15	Oct-15		Nov-15		Dec-15		Jan-16		Feb-16			Mar-16			Apr-16
			1		6 13 20 27	3	10 17	24	1 8 15 22 29	5	12 19 26	5 2	9 16	5 23	1 8	15	22 29	5	12 19 26
General System Design	All	September 4, 2015		100%															
Stator Design		November 17, 2015							85%										
Research Winding Types	Tim	September 22, 2015			100%														
Pole and Slot Pitch	Mason	September 22, 2015			100%														
Pole Depth	All	November 17, 2015							85%										
Slot/Teeth Ratio	All	October 27, 2015																	
Number of Coil Windings	All	November 17, 2015							80%										
Purchasing	All	November 30, 2015																	
Construction		February 2, 2016												0%				1	
Coil Windings	Mason and Tim	January 25, 2016										C)%						
Stator Mount	Mason and Tim	February 8, 2016												0%					
Microcontroller Sytem	Tyler	February 8, 2016												0%					
VFD Programming	Tyler	February 8, 2016												0%					
Sensor Programming	Tyler	January 25, 2016										C)%						
Implementation	All	February 9, 2016												0%					
Testing	All	March 7, 2016															0%		
Deliverables																			
Project Proposal - Oral Presentation	All	October 1, 2015																	
Project Proposal - Written	All	October 15, 2015																	
Webpage Release	All	October 28, 2015																	
Fall Progress Presentation	All	November 19, 2015																	
Fall Performance Evaluation	All	November 19, 2015																	
Fall Performance Review	All	December 3, 2015																	
Spring Progress Presentation	All	February 18, 2016																	
Student Expo Abstract	All	March 18, 2016																	
Project Demonstration	All	March 24, 2016																	
Final Presentation	All	April 7, 2016																	
Student Expo Poster Printing Deadline	All	April 11, 2016																	
Student Expo Poster Setup	All	April 12, 2016																	
Student Expo	All	April 14, 2016																	
Final Report	All	April 28, 2016																	
Final Webpage	All	April 28, 2016								I									
Advisory Board Poster Printing Deadline	All	April 28, 2016																	
Advisory Board Poster Presentation	All	April 26, 2016																	

This week's progress entailed reviewing previous calculations and looking into the number of coil windings required. With the newly determined number of windings, the coil pitch was looked into and the number of coil turns per phase. Another point of focus was determining the gauge of wire that will be used for the coil windings which will be determined by the amount current that the wire will be able to withstand. The tachometer subsystem was completed and implemented into the microcontroller, and can now display accurate rpm of the simulated linear track. The rpm can also be converted in the microcontroller system and displayed as linear speed if the group desires. Additionally, further research was done on coil pitch and the differences in coil pitch for salient and non-salient pole arrangements.