

TASK NAME	RESPONSIBLE	Date	Sep-15					Oct-15				Nov-15				Dec-15				Jan-16			Feb-16			Mar-16			Apr-16					
			1	8	15	22	29	6	13	20	27	3	10	17	24	1	8	15	22	29	5	12	19	26	2	9	16	23	1	8	15	22	29	5
<b>General System Design</b>	All	September 4, 2015	100%																															
<b>Stator Design</b>		November 17, 2015	90%																															
Research Winding Types	Tim	September 22, 2015	100%																															
Pole and Slot Pitch	Mason	September 22, 2015	100%																															
Pole Depth	All	November 17, 2015	90%																															
Slot/Teeth Ratio	All	October 27, 2015																																
Number of Coil Windings	All	November 17, 2015	90%																															
<b>Purchasing</b>	All	November 30, 2015	25%																															
<b>Construction</b>		February 2, 2016	0%																															
Coil Windings	Mason and Tim	January 25, 2016	0%																															
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	0%																															
<b>Implementation</b>	All	February 9, 2016	0%																															
<b>Testing</b>	All	March 7, 2016	0%																															
<b>Deliverables</b>																																		
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																																
Advisory Board Poster Printing Deadline	All	April 28, 2016																																
Advisory Board Poster Presentation	All	April 26, 2016																																

This week's progress focused on finalizing the design of the stator, number of turns per phase, and the change from a 2 pole to a 4 pole machine. With the number of turns per phase determined, the size of the coil windings on each tooth was determined to insure that the coil windings would fit properly in each slot. Research into wire sizing was conducted to ensure our design and could meet specifications on current and power. The inductance of the coil windings was calculated in conjunction with the coil calculations. After all of these calculations were complete, the CAD drawing of the stator was updated to reflect the changes in the design.