

TASK NAME	RESPONSIBLE	Date	Sep-15					Oct-15				Nov-15				Dec-15				Jan-16				Feb-16				Mar-16				Apr-16			May-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	12	19
General System Design	All	September 4, 2015	[Red bar from Sep 1 to Sep 15]																																	
Stator Design		November 17, 2015	[Red bar from Sep 1 to Nov 24]																																	
Research Winding Types	Tim	September 22, 2015	[Red bar from Sep 1 to Sep 22]																																	
Pole and Slot Pitch	Mason	September 22, 2015	[Red bar from Sep 1 to Sep 22]																																	
Pole Depth	All	November 17, 2015	[Red bar from Sep 1 to Nov 24]																																	
Slot/Teeth Ratio	All	October 27, 2015	[Red bar from Sep 1 to Oct 27]																																	
Number of Coil Windings	All	November 17, 2015	[Red bar from Sep 1 to Nov 24]																																	
Purchasing	All	November 30, 2015	[Red bar from Sep 1 to Dec 26, then blue bar from Dec 26 to Jan 26, then red bar from Jan 26 to Feb 23]																																	
Construction		February 2, 2016	[Red bar from Sep 1 to Feb 23]																																	
Coil Windings	Mason and Tim	January 25, 2016	[Red bar from Sep 1 to Jan 26, then blue bar from Jan 26 to Feb 23]																																	
Stator Mount	Mason and Tim	February 8, 2016	[Red bar from Sep 1 to Feb 23]																																	
Microcontroller Sytem	Tyler	February 8, 2016	[Red bar from Sep 1 to Feb 23]																																	
VFD Programming	Tyler	February 8, 2016	[Red bar from Sep 1 to Feb 23]																																	
Sensor Programming	Tyler	January 25, 2016	[Red bar from Sep 1 to Jan 26, then blue bar from Jan 26 to Feb 23]																																	
Implementation	All	February 9, 2016	[Red bar from Sep 1 to Feb 23, then blue bar from Feb 23 to Feb 23]																																	
Testing	All	March 7, 2016	[Red bar from Sep 1 to Feb 23, then blue bar from Feb 23 to Mar 20]																																	
Deliverables			[Red bars for dates: Oct 1, Oct 15, Oct 28, Nov 19, Nov 19, Dec 3, Mar 1, Apr 12, Apr 19, Apr 21, Apr 29, May 3, May 3]																																	
Project Proposal - Oral Presentation	All	October 1, 2015	[Red bar from Sep 1 to Oct 1]																																	
Project Proposal - Written	All	October 15, 2015	[Red bar from Sep 1 to Oct 15]																																	
Webpage Release	All	October 28, 2015	[Red bar from Sep 1 to Oct 28]																																	
Fall Progress Presentation	All	November 19, 2015	[Red bar from Sep 1 to Nov 19]																																	
Fall Performance Evaluation	All	November 19, 2015	[Red bar from Sep 1 to Nov 19]																																	
Fall Performance Review	All	December 3, 2015	[Red bar from Sep 1 to Dec 3]																																	
Design Review	All	March 1, 2016	[Red bar from Sep 1 to Mar 1]																																	
Final Report Draft	All	April 12, 2016	[Red bar from Sep 1 to Apr 12]																																	
Oral Presentation Preparation	All	April 19, 2016	[Red bar from Sep 1 to Apr 19]																																	
Final Project Oral Presentation	All	April 21, 2016	[Red bar from Sep 1 to Apr 21]																																	
Poster Presentation to IAB	All	April 29, 2016	[Red bar from Sep 1 to Apr 29]																																	
Final Project Report	All	May 3, 2016	[Red bar from Sep 1 to May 3]																																	
Project Website Verification	All	May 3, 2016	[Red bar from Sep 1 to May 3]																																	

The group is working with Professor Gutschlag and Chris Mattus to work through the ordering process for the finalized stator design. A quote was received from Laser Lamination for the construction of the core of the designed stator. The quote stated it would cost \$275.00 to cut the segments and ship along with with an extra \$100.00 to press and weld the pieces together. While talking through the ordering process with Mr. Mattus we realized that we forgot to include mounting holes on the stator core, so we had to backtrack and submit the updated design to Laser Lamination. This new design did not add any additional cost and was a minor setback to the ordering process. We hope to have the stator core approved and ordered at the beginning of next week.

The group is also currently analyzing how many feet of 16 gauge wire will be needed to fully complete the coils associated with the designed stator. As of right now the group is looking at ordering 1700 feet of 16 gauge wire, rounded up to the nearest hundredth. MATLAB code was generated to assist with the development of the coils and materials required.

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