

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	26	3	10								
General System Design	All	September 4, 2015	[Red bar from Sep 1 to Sep 8]																																												
Stator Design		November 17, 2015	[Red bar from Sep 1 to Nov 24]																																												
Research Winding Types	Tim	September 22, 2015	[Red bar from Sep 15 to Sep 22]																																												
Pole and Slot Pitch	Mason	September 22, 2015	[Red bar from Sep 15 to Sep 22]																																												
Pole Depth	All	November 17, 2015	[Red bar from Nov 10 to Nov 17]																																												
Slot/Teeth Ratio	All	October 27, 2015	[Red bar from Oct 20 to Oct 27]																																												
Number of Coil Windings	All	November 17, 2015	[Red bar from Nov 10 to Nov 17]																																												
Purchasing	All	November 30, 2015	[Red bar from Dec 1 to Dec 8] [Blue bar from Dec 15 to Dec 22] 95%																																												
Construction		February 2, 2016	[Red bar from Jan 15 to Jan 22] [Blue bar from Jan 29 to Feb 5] 35%																																												
Coil Windings	Mason and Tim	January 25, 2016	[Red bar from Jan 15 to Jan 22] [Blue bar from Jan 29 to Feb 5] 35%																																												
Stator Mount	Mason and Tim	February 8, 2016	[Red bar from Jan 15 to Jan 22] [Blue bar from Jan 29 to Feb 5] 80%																																												
Microcontroller Sytem	Tyler	February 8, 2016	[Red bar from Jan 15 to Jan 22] [Blue bar from Jan 29 to Feb 5] 10%																																												
VFD Programming	Tyler	February 8, 2016	[Red bar from Jan 15 to Jan 22] [Blue bar from Jan 29 to Feb 5] 10%																																												
Sensor Programming	Tyler	January 25, 2016	[Red bar from Jan 15 to Jan 22] [Blue bar from Jan 29 to Feb 5] 10%																																												
Implementation	All	February 9, 2016	[Blue bar from Feb 2 to Feb 9]																																												
Testing	All	March 7, 2016	[Blue bar from Feb 23 to Mar 7]																																												
Deliverables			[Red bars for: Project Proposal - Oral Presentation (Oct 1), Project Proposal - Written (Oct 15), Webpage Release (Oct 28), Fall Progress Presentation (Nov 19), Fall Performance Evaluation (Nov 19), Fall Performance Review (Dec 3), Design Review (Mar 1), Final Report Draft (Apr 12), Oral Presentation Preparation (Apr 19), Final Project Oral Presentation (Apr 21), Poster Presentation to IAB (Apr 29), Final Project Report (May 3), Project Website Verification (May 3)]																																												
Project Proposal - Oral Presentation	All	October 1, 2015	[Red bar from Sep 1 to Sep 8]																																												
Project Proposal - Written	All	October 15, 2015	[Red bar from Sep 15 to Sep 22]																																												
Webpage Release	All	October 28, 2015	[Red bar from Oct 20 to Oct 27]																																												
Fall Progress Presentation	All	November 19, 2015	[Red bar from Nov 10 to Nov 17]																																												
Fall Performance Evaluation	All	November 19, 2015	[Red bar from Nov 10 to Nov 17]																																												
Fall Performance Review	All	December 3, 2015	[Red bar from Dec 1 to Dec 8]																																												
Design Review	All	March 1, 2016	[Red bar from Feb 23 to Mar 7]																																												
Final Report Draft	All	April 12, 2016	[Blue bar from Feb 23 to Mar 7]																																												
Oral Presentation Preparation	All	April 19, 2016	[Blue bar from Feb 23 to Mar 7]																																												
Final Project Oral Presentation	All	April 21, 2016	[Blue bar from Feb 23 to Mar 7]																																												
Poster Presentation to IAB	All	April 29, 2016	[Blue bar from Feb 23 to Mar 7]																																												
Final Project Report	All	May 3, 2016	[Blue bar from Feb 23 to Mar 7]																																												
Project Website Verification	All	May 3, 2016	[Blue bar from Feb 23 to Mar 7]																																												

Stator and wire quotes have been submitted and approved, the team is currently waiting on shipping and turnaround. The group has been working on generating plans to raise the simulated linear track to be able to mount the designed stator underneath. Along with plans to raise the simulated linear track the group has also been working on developing a mounting system for the stator. We plan to mount the stator to I-beam style aluminum mounts to provide support along with heat sinking characteristics. One action item that has been addressed is the method for coiling the wires on the stator. We plan to order plastic bobbins that can be spun on a lathe to wrap the coils. When the coils are wrapped on the bobbin the group plans to slide the bobbin and coil on to each individual stator tooth. The bobbins will be used for protection of the coils shorting to the stator core but they also provide ease of assembly.

The microcontroller subsystem is getting closer to completion. The D/A converter that is being used for sending control signals to the VFD is the only component left to integrate into microcontroller system. Work has begun to develop this D/A converter and we will continue work during down time of waiting for parts to be shipped.