Software Timetable

January 20th -- Start

------ Education and familiarization of project and Development environment begins --------------

February 7th -- All members have been familiarized with Development environment and project details

------ Software development of Sensored and Sensorless FOC begins --------------------------------

March 27th -- Sensored and Sensorless FOC works on Evaluation board

------ Integration between Software and Hardware ----------------------------------------------------

April 10th -- Project Complete: Software works with custom hardware

------ Extra Time built into schedule ---------------------------------------------------------------

April 21st -- Classes End

Hardware Timetable

January 20th -- Start

------ Finalization of Revision 1 -------------------------------------------------------------------

January 31st -- Designs sent out to Texas Instruments for advice

------ Tweaks made to Revision 1 board --------------------------------------------------------------

February 10th -- Revision 1 sent out

------ Recieve components, Manufacture, and testing with Trapezoidal control ------------------------

------ In parallel, if necessary work on Revision 2 for FOC -----------------------------------------

March 6th -- Trapezoidal Control works/Revision 2 sent out

------ Recieve components, Manufacture, and test Revision 2 for FOC/Continue work on Revision 1 FOC

March 27th -- FOC testing begins on Revision 1/2

------ Integration time -----------------------------------------------------------------------------

April 10th -- Project Complete: Custom Hardware works for Sensored/Sensorless FOC and trapezoidal control

------ Extra Time built into schedule ---------------------------------------------------------------

April 21st -- Classes End

Notes:

with hardware ---> aiming to design Revision 1 to be FOC capable so Revision 2 is not needed and integration time increases

MARCH 6th: DECIDE IF ODRIVE WILL BE NECESSARY AND PROJECT TO BE SCRAPPED FOR CIRC

There is some flex time as the plan is to be done with the project 16 days before the end of classes, but this schedule is

strict.