

Lab Week 8

Implement speed control using Timer Output Compare interrupts to generate on/off patterns to the motor to put an average voltage across the motor.

Those with operating systems can approach it by using the kernel to turn the motors on. Then a timer output compare interrupt out x time units later will have an ISR that turns those enable signals off. This results in an on/off, on/off, etc. behavior.

The requirement is that TOC functionality of the timer must be used in the solution.

Keep in mind that flowcharts, pseduocode, scope shots, etc. will be needed for the user's manual / report that is due at the end of the quarter.