

**UNC Charlotte, Department of Electrical and Computer Engineering
ECGR 4101/5101, Fall 2008, Homework #9
Due: 11/24/2008, at the beginning of class (20 points)**

Assignment should be typed, a hard copy turned in to instructor

For both problems, assume your Renesas board is used.

1. Write the C code needed to set up timers so that a signal is generated on an output pin every 1 second, and does not need any software to run once the timers are set up (so no ISR needed). Fully document your code.
2. Write the C code needed to set up timers so that a PWM signal is generated on an output pin every 1 millisecond with a duty cycle of 50%, and does not need any software to run once the timers are set up (so no ISR needed). Fully document your code.