

ECE 266 Lab Report #5
Group 2

Your group should write a lab report that includes the following.

1. Describe the responsibility of each person in your group, and estimate the breakdown of contribution in percentage (e.g. 50% and 50% for a two-person group). Note: If one contributes 40% or higher in a two-person group, he or she may receive the same grade as the group gets.

The responsibility was split 50-50. We coded separately and then combined our work based on what worked best.

2. Describe the changes you made in “main.c” to make Part 3 work.

We first added code to the `intrInit()` function to set up the interrupt for the motion sensor. We setup the register, type set, priority set and Enable functions for the GPIO Input.

We made changes to the motion ISR. First, we cleared the interrupt and then we read it. We added a case to check if motion was detected or not using functions from Lab 4. Also, an if statement to execute what happens when no motion is detected and when the system is not on, depending on the pushbutton interrupts.

3. How much flash memory does your program take? How much SRAM memory?

Our program takes 13332 bytes (5%) of Flash Memory and 1926 bytes (5%) of SRAM Memory.

4. Estimate how many hours in total you and your partners have worked on this lab.

We have spent a total of 5 hours on this project. Most of the time was spent in debugging Part 2 and Part 3. The initial code writing did not take much time.