# Lassonde School of Engineering

EECS 2032

LAB 7

## Lab Objectives

To develop a simple program for KL-43Z, compile it, download it, and run it on the board.

## Problem 1

In this part, you will write a small program to control the LED's on the board.

Review the GPIO in the book and the lecture slides.

The board has two switches, SW1 and SW3. Two LED's the green LED LEDG and

the red LED LEDR.

## Specification

Depending on the two switches, SW1 and SW3

- SW1 not pressed, and SW3 not pressed: LEDR is ON and LEDG is OFF
- SW1 is pressed and SW3 not pressed : LEDR is blinking and LEDG is ON
- SW1 not pressed and SW3 is pressed : LEDR is blinking and LEDG is OFF
- SW1 is pressed and SW3 is pressed : both LEDR and LEDG are blinking in

opposite ways (when LEDR is ON, LEDG is OFF, and when LEDR is OFF, LEDG is ON)

Demonstrate your lab7 work to the TA