EE1910 Lab 2: Hardware and Software Fundamentals

Objectives

- Introduce MSP432 Hardware
- Interface an LED to the MSP432 system
- Create a first HW/SW system

• Explain the results of part 2

	student
Prelab	check of
Review the Bit Manipulation and IO Register Access sli	des \square
 Review the Printing Text slides 	
Review the LED Basics and Resistor Values slides	
Assignment	
 Do not start the assignment portion of the lab before to prelab slides and basics prior to starting the student portion. 	
Part 1: Modify the LED design we created at the beginning your system to emulate a stop light pattern. Print console on a new line each time.	•
type cancelled y half-second. Print the va	e of type int8_t and a variable of lues to the console. Prepare to es Thursdays lecture material.
Check Off	
 Demo and document your stop light program 	40%
 Demo and document your counting program 	50%

Checkoff due by 4:00 pm Friday of the lab week (in-person or via Teams chat)

10%

Submit (in the box): flow diagram(2), code(2), schematic, and an explanation of the results of Part 2 - due 4:00 pm, Friday of the lab week.