**EGR326 PreLab 2**

**Fall 22**

**During this week’s lab exercise you will be exploring the microcontroller (MCU) digital inputs and outputs (digital I/O) by writing a simple program to light a multicolored RGB (red, green, blue) LED display and sequencing through the colors based on pushbutton switch input. You will also incorporate both timing (SysTick) and GPIO interrupts to complete your tasks.**

**To prepare for this week’s lab:**

1. **Download the lab 2 exercise from the Blackboard Assignments folder and review it so that you will come to lab prepared to make the most efficient use of lab time.**
2. **Start a new page in your lab notebook and title it lab 2. Write the lab objectives in your own words.**
3. **In your lab notebook, design the schematic diagrams for part I, II and III of the lab**
4. **Write a brief software block diagram to describe your logic to design the software**