

IEEE EWU OPS SPRING'22

“No Fear in Not Knowing”

OPS Spring'22 Overview

4 WORKSHOPS:

1. **Potentiometer Blink:** Intro to Arduino Nano, Potentiometer, and Voltage Divider Circuit
2. **Iopduino:** Digital/Analog Signals, Pulse Width Modulation (PWM), More Programming, and Using Libraries.
3. **Distance Sensor:** More Programming :, Sensors, and Transistors
4. **Red Light, Green Light:** Resistors Config, Serial protocol:UART (Universal Asynchronous Receiver Transmitter)

Timeline:

1. The program (**1st workshop**) will start in the **3rd week** of school, the week of **4/18**.
2. The **2nd workshop** will begin in the **4th week**, the week of **4/25**.
3. The **3rd workshop** will be conducted in the **5th week**, the week of **5/2**.
4. The **final workshop** will take place in the **6th week**, the week of **5/9**.

Meeting time: Fridays, 1-3 pm

Location: 601 E Riverside Ave, Spokane, WA 99202

The Catalyst building, room CAT 007 (IEEE EWU Project Lab)

Notes:

- The workshop will be approximately 2-hours long, depending on the progress of the project.
- The workshop will take place in the Catalyst building, in Spokane
- Schedules can be flexible and virtual workshops can be conducted if needed.

Deposit Policy

You must complete all of the OPS projects in order to get your full \$10 deposit back at the end of the quarter.

However, if you do not complete every project, you are still eligible to receive part of your deposit back if you meet any of the following requirements:

YOU MAY ALSO LOSE SOME OF YOUR DEPOSIT FOR NOT CLEANING UP AFTER YOURSELF IN THE LAB. LEAVE YOUR WORKSTATION CLEANER THAN YOU FOUND IT ALWAYS.

Late Policy

We understand that people may have exams or personal issues that can make it difficult to attend certain workshops and complete projects on time. Therefore, we will work flexibly (and **only** if) you notify Nhat at least one day in advance and receive **written confirmation** (through Discord or email). We are willing to help you find a solution, so please keep us informed of any problems or conflicts you have.

These projects are not difficult to finish if you put in the time! Each project will take, on average, about 1-2 hours to complete, and you will have 1-2 weeks to work on each one. Bryan and Jackie (as well as any other officer of IEEE) will pour our hearts into helping you until your project is done. We want you to finish, and we will support you all the way through.

As always, feel free to reach out to us if you have any questions. You can message us through Discord group or reach us through the following e-mail addresses:

Nhat Nguyen: nnguyen32@ewu.edu

PLEASE ACKNOWLEDGE THAT YOU HAVE READ AND UNDERSTOOD THESE TERMS BY SIGNING ON THE LINE BELOW.

(NAME, PRINTED)