User Interface

- Step 1: Flip the switch located on protoboard to turn on the power. (Figure 1)
- Step 2: Set the blink rate by shifting the Linear Potentiometer located on protoboard. Range for the blink speed is between 0-20ms. (Figure 3)
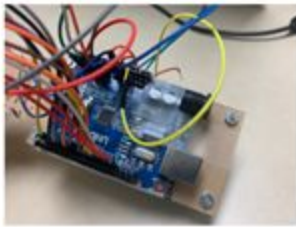- Step 3: Swing the wand to display the seven letter word which you input in the code.
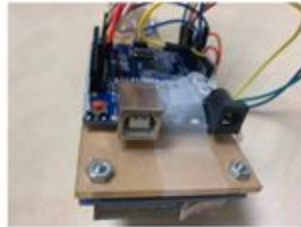

| Figure 1 | Figure 2 | Figure 3 |

The user interface begins with the switch that will turn the device on and off. Then it will be dependent on the potentiometer and the wand swing speed. The user will be able to interact with the LEDs blinking speed using the potentiometer, which will enable the user to swing faster and slower depending on the blinking speed output. This can allow better readings for the participants as the lights can be adjusted easily and tested to create the words as well as the wand can.