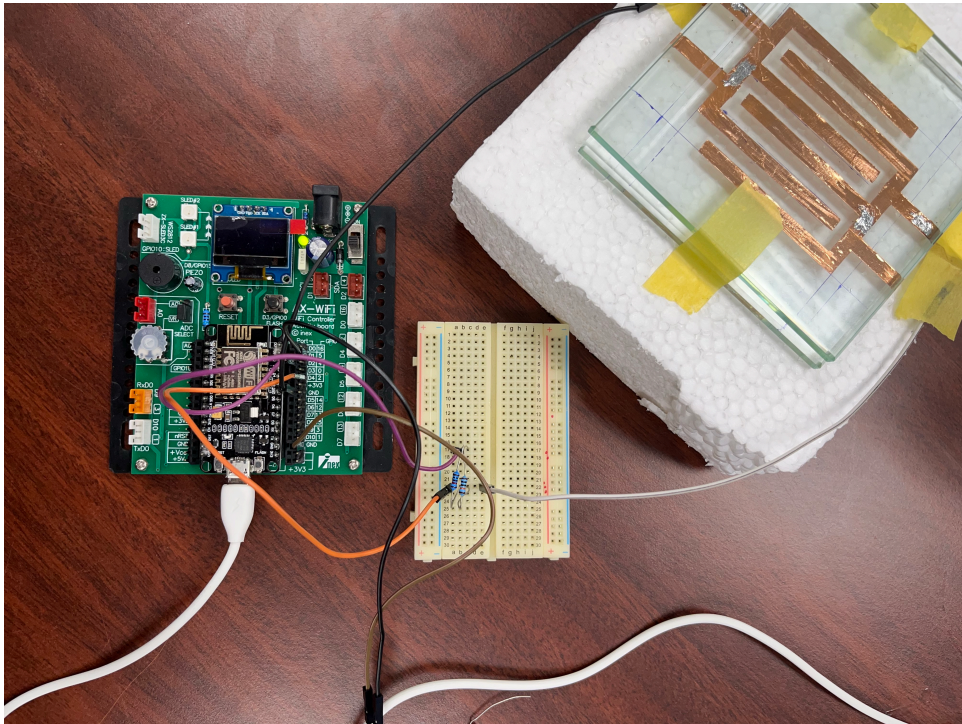


## Week 8

**1. Communication of sensors and microcontroller (ESP8266)**

In the final week, we connect the two-finger electrode and three-finger electrode with a microcontroller (ESP8266). Basically, we performed the offline measurement, i.e., sensing the touch event with a LED to choose the right threshold value for the touch event. Since the sensitivity of the sensor depends on the resistance value, we also tested our sensor's sensitivity with different resistors, starting from 1 k $\Omega$ , 100 k $\Omega$ , and 1M  $\Omega$ . We tried a proximity sensor with two resistors and it also works fine with a water container. After setting the right threshold value and the right resistor, we connected to the NETPIE and send values to the cloud.

