ECE 180DA – Week 4

1. What did you plan to do last week?

-Look into developing the drawing functionality (LED pen, normal pen, IR)

-Develop the voice recognition module

-Start developing the basic game function module with the images from the internet.

-Develop the project spec a little more, think about implementation

-Make a midterm presentation and update the project spec

1. What did you end up doing last week?

-I worked on the motion recognition using open cv in python. I am able to track motion by saving a series of points to a list. We will send this list to the main server where it will be displayed to everyone’s screen as a drawing.

-I helped Prathyush work on MQTT on the IMU. I helped him figure out the logic behind sending the different coordinates on one end and parsing through them in the receiver end.

-We developed the game logic a little more since we have some more modules and have a better idea on the feasibility of the game. Collectively, we now have motion recognition, MQTT communication, voice recognition, and we are still working on the app logic for now.

-Started the midterm presentation slides and updated the project block diagram

1. What do you plan to do this week?

-We want to be able to setup the web app so that we can formulate the communication between everything.

-I will personally work on motion to make it more robust and get rid of any false positives/discontinuities.

-We need to finish the midterm presentation slides and update the project description, including.

-I will try to use a different color for the detection as green can interfere with the background at times and lead to false positives.

-I want to start the game logic module so that we can start working on the communication between every component and formulating an efficient way to handle it.