
WEEK 10 MEETING MINUTES

MONDAY 4/7

- Discussed assembly of the wood test bed, made plans with Jason to complete first track
 - Discussed collaboration with Franchi to use the robotics lab
- Discussed testing the highest frame rate for the thermal camera, and how JJ will write scripts to be able to test simultaneous data collection for thermal camera and RGB camera on pi
- Discussed how we will collect tennis balls in a simulated environment to begin model training
 - Can use boiling water or other methods to heat up the tennis balls
- Discussed setting and stands and deployments of the cameras
- Discussed performance of running the YOLO model the raspberry pi
 - Poor performance, which potentially led to framerate issues
- Collect/find some thermal images to investigate how to segment the objects from the background, and count the front objects
 - Assigned to Logan and Anye
- Discussed how to potentially improve the object counting accuracy

WEDNESDAY 4/9

- Discussed potential issues with RGB camera, potential fixes
- Helped Jason bring in the wooden track to the Conway Conference room to begin setting up the first mock environment
- Played with camera configuration and angles with mock environment
- Tested new mock environment with Mini balls to begin assessing YOLO's performance
- Discussed new methods that we could use to heat up the tennis balls

FRIDAY 4/11

- Further setting up git LFS to work with an array of files
- Tested and gathered a reasonable amount of testing data using Jason's wooden track, using Jason's RGB camera
- Discussed future with gathering test data, future models