**Discussion points:**

* Go over the cameras we have researched
* Guide for what the cameras should include
* Want to achieve a prototype of the body camera by 3rd June
* Want test footage by then for model training
* Brainstorm scenarios for test footage
* Wanting to detect: PPE, located in a dangerous area, jumping off the truck.
* What kind of scenarios will be beneficial for these detections
* The idea of what is required for model training
* Go over the scenarios that we have come up with and see if they are on the right track

**Questions:**

* Battery - will this need to be changed out for the purposes of longer battery life?
* Will GPS and wifi be a priority - GPS will be, in specific areas wearing specific PPE, wifi built into the raspberry pi, micro SD card for storage
* Price limit for the camera? - client to provide a couple of raspberry pi
* Nano vs Yolo for model training - Nano be better?
* What kind of lens for a camera would be ideal, i.e. which type of lens, wide-angle, telephoto? **- test lots of different types of lenses to see which one is more ideal**
* What kind of scenarios would be ideal for detections (listed above) - ideas to plan
* What would be required for model training upskilling and how can we start on this in our own time / have a workshop on this with the client - next week (10/05??)
* How can we start upskilling in our own time on model training?
* Would we be able to use footage and videos for our model training that the client has?

**Notes From Meeting:**

Using the raspberry pi and the raspberry pi camera, best for computer vision models, models running on an R processor,

Client to provide these

the raspberry pi object detector

Get a computer vision model started on a raspberry pi

Find datasets on google, retag the model with its own media to refine data training

Wearing a camera, everyone around me wearing PPE - adding in GPS, client able to provide some data for this, and collect own data

Train at home with YOLO through the repo

Go back to client with list of what kind of hardware we will want, with the type of battery that we want.

System cooling for the raspberry pi