Imanol: Questions:

* What are some of the complications your team faced last year that you suggest for us to avoid?
* Did you ever use the CSV\_to\_Raw/JSON\_to\_Raw? Purpose?
* Better understanding of multithreading?
* Actually, run the code
* What would you suggest to implement a database(to actually store)?

Mallika:

* What were your roles
* Can you describe the drift and in your opinion is a simple change in sensor type (rotary optical encoder) enough to account for it? did you measure drift?
  + It seems like they think an optical sensor would be sufficient
* Kalman filter and sensor fusion - can we use algorithms like this to combine sensor output from the imu and a rotary optical encoder
  + Way too much time to filter don't use imu or bluetooth
  + There is filtering of sorts in the code
  + Took notable constants and set thresholds to normalize readings which is somewhere in the translation layer (if its going too fast set it to zero)
  + He spent two months researching it
  + Kalman filtering
* How did you manage to document everything - what was your process for documentation
* What fusion mode did you use on the sensor?
* Do you have the finalized report? Only a draft is visible in the materials we have access to
* Is raspberry pi strapped to chair so that it stays in bluetooth range?
  + Bluetooth has limitations (50 per second?) - won’t give great resolution
  + Used pyQT for gui - multithreading complicated

Luke:

* Could you provide a brief overview as to how you converted the sensor’s raw data into x,y positional data?
* Have you had any issues with performance? Is there any notable latency when tracking your device’s movements or updating the device’s location in your GUI?
* Have you used any baseline dataset to determine the accuracy of your solution? Would the creation of said dataset be a useful endeavor in determining how an optical sensor has improved over the IMU?
  + Aka any empiric measurement in terms of accuracy?

Tahshon:

* In the filters.py file, there is a comment indicating a section for optional filter versions of basic math functions. Can you elaborate on maybe why it was never done or maybe what functions you guys were planning on implementing?
* Were there any other ideas discussed or considered for the project that didn’t end up being implemented?
* What were some things you’ve done in the previous year on the project that you think might help in our approach going forward?