Kashish Garg
Team D1

What did you personally accomplish this week on the project?

- Set up the raspberry Pi
  - Installed the Raspbian OS
  - Connected the Pi to CMU network – can ssh in now
  - Installed the Adafruit libraries (and circuit python) necessary for human detection
  - Installed OpenCV
- Modified code used for images to work with thermal camera 8x8 video output
- Completed writing code for object detection
- Wrote code for stopping the robot in most cases

Schedule

Slightly behind in terms of testing the thermal camera – we got the circuit assembled, but installing libraries and interacting with the camera took longer than expected, so this has been pushed to next week.
Slightly ahead in terms of code functionality – already wrote most of the stopping code.
Overall, we should be on track.

What deliverables do you hope to complete in the next week?

- Test/calibrate functionality of thermal camera
- Test functionality of ultra sonic sensors
- Complete code for stopping by factoring in the 360^0 turn case