

## Week 11 Team Status

- What are the most significant risks that could jeopardize the success of the project? How are these risks being managed? What contingency plans are ready?

The ultrasonic sensors might not detect people wearing soft clothing, and so our robot might not detect them. We are mitigating this risk by having small pieces of cardboard that people can hold in front of them for the demo. Also, if the robot gets too close to someone, or doesn't stop in time, there are emergency kill switches on either side of the robot that cut off the power.

- Were any changes made to the existing design of the system (requirements, block diagram, system spec, etc)? Why was this change necessary, what costs does the change incur, and how will these costs be mitigated going forward?

We made the ultrasonic sensing a little bit faster, by only checking the side sensors, if the middle sensor doesn't detect any object nearby. We also reduced the stop wobble by making the forward speed a little slower.

- Provide an updated schedule if changes have occurred.

No big changes to the schedule.