Principles of Robot Autonomy II

Section 3: Turtlebot gets an upgrade
Aims

• In this section, you will
  • Get familiar with how the Turtlebot gripper works,
  • Have your Turtlebot detect and pick up objects.

• By the end of this week (2/20), we want you to
  • Set up the required software dependencies on Raspberry Pi,
  • Have your Turtlebot teleoperated to pick up and place objects around the field.
Section 3

• Submit your responses to the problems in the handout.
Section 3

• Make sure you align your object within the gripper before gripping.
  • Be careful not to drive into fences or walls with the grippers. It might damage the gripper and the environment
Section 3

• Show TAs that your team’s robot can pick and place objects with the gripper

Don’t forget to submit your responses on Gradescope!