



EMBEDDED SYSTEMS

Assignment 8

CAMERA



- Extend assignment #7 to use the camera sensor data to avoid obstacles while moving.
 - The client should accept the following commands:
 - Goto: move to a x,y point relative to the TurtleBot's current position
 - Ex. 20,100 should move the TurtleBot right by 20 steps and forward by 100 (think of the ground as a grid)
 - Return: return to the starting position
 - Upon recognizing an obstacle, autonomously update the path to navigate around it.
 - You should not use radar input – please disable it for this assignment.
 - Commit the program to your team repository under the branch assignment8-camera.
 - Demonstrate with a short video with at least two obstacles in the path of the robot from start to (x,y) and back.