Term Project: EECN30169/535317 Cool Robot Show

Intelligent autonomous mobile robots(AMRs) are emerging for various applications. Autonomous robots will serve in many public and domestic scenarios. It deserves our attention to develop useful behaviors of mobile robots. The purpose of this term project is to give a demonstration of one intelligent behavior of your EECN30169 robot.

Cool Robot Show:

Each team is required to give a 2-3min demonstration of your robot with a focused topic discussed in EECN30169 by using the hockey robot platform. At least one extra sensors should be used for the robot. Extra sensors are available from TA (see below).

Assignment:

1. Each team should submit a one-page proposal for the cool robot show demonstration. (Due 11/15)

2. Give a robot demonstration in Lab EE632 on Dec. 13

3. Each person should submit a report by Dec. 20

Grading policy:

technology soundness: 50% 、 completeness:30% 、 PPT presentation(report): 20%

Important Dates:

11/15/2024: One-page Proposal (one page A4, including Title and demo description)
12/13/2024: Cool-Robot Show Demonstration (2-3 min demonstration + 5 min Q&A)

Additional Sensors Available:

Sensors	Available
Rpi Lidar	15
YD Lidar	2
RPi Camera	23
Ultrasonic sensor	7