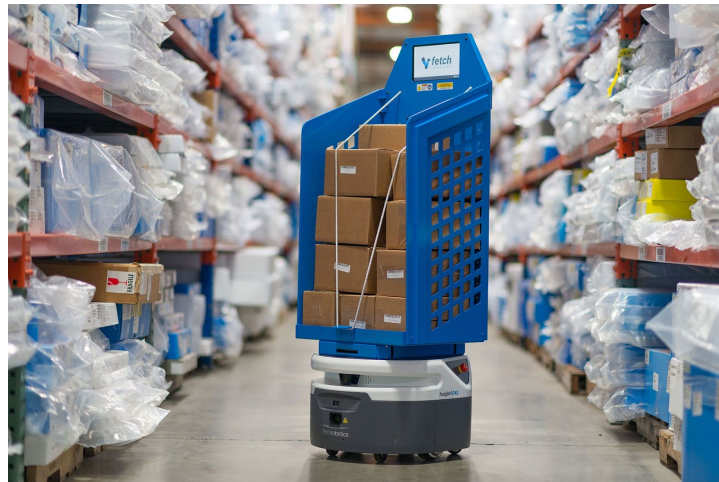


CMPUT 412: Experimental Mobile Robotics
Winter 2018
Competition #5
Date: April 12, 2018
Group Project: A Mobile Robot that Does “X”

Objective: Design and build a proof-of-concept mobile robot that solves a practical problem of your own choosing.

Procedure

In this competition, you will design and build a mobile robot that solves a practical problem, which you outlined in your Demo #7 project proposal. Pay careful attention that your implementation follows the specification & evaluation tests in your project proposal.



“Stockie” A stockroom robot Photo: Fetch Robotics, Inc.

Deliverables

As per your project proposal, there are two deliverables:

- **Demonstration Video** of the successful operation of your proof-of-concept robot (3 minute video). Each group will show their 3 minute video followed by a 10 minute Q&A from the audience. A link to the video should be placed on your group’s CMPUT 412 site, and sent to your TA.
- **Project report & code repository due Thursday April 19, 5 p.m.** Submit your project report, which documents the implementation details of your project, to your TA via email. Follow the same reporting guidelines as previous competition reports.

Marking Scheme

Competition 5 total mark 10% of final grade. Demonstration video (5%) will be evaluated and marked by the course instructors. Project report & code repository (5%) will be marked using the same competition report criteria.