

STARBOTS COFFEE

The robotic cafeteria by The Construct



What is Starbots?

What is Starbots?

- * Real cafeteria managed by robots
- * Built by The Construct to teach robot fleet management

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How To: 1st you scan the QR code









How To: 2nd, you order on the phone









How To: 3rd, robots prepare and deliver it to your table







What is its purpose?

We provide this lab to our remote students







While studying Open-RMF



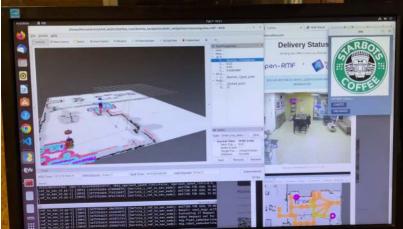


They test their programs in a real environment



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Have done it works

How does it work?

Part I: its robots

Part I: its robots



- Prepare coffee
- · Deliver it to tables
- Take out garbage



Part I: its robots
Barista Robot



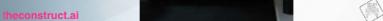




Part I: its robots
Coffee Machine







Part I: its robots Delivery Robots









Part I: its robots Delivery Robots







Part I: its robots Cleaner Robot







Part I: its robots Cleaner Robot





Part I: its robots

Door







Part I: its robots
Door









How doos it work?

How does it work?

Part II: its software

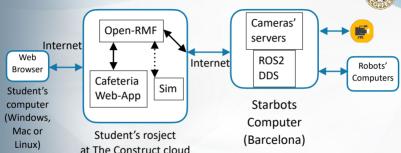














Part II: robots' computers















Door Computer (Raspberry)



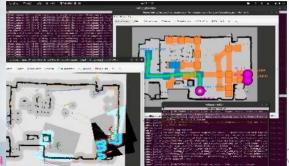




Part II: its software Navigation lines











Part II: its software Task: Go to charge













Dispenser 1: prepare a coffee

Controls:

- 1. Arm movements
- 2. Preparation of coffee coffee machine







Dispenser 2: load/unload trash table



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Ingestor: indicate robot unloaded





How does it work?

Part III: the teaching material

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Part 1: the lessons



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Part III: the teaching material

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Part 2: the project with Starbots



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public!

We opened it to the

THE ONLINE REMOTE CAFETERIA OF THE CONSTRUCT

Send us a coffee remotely controlling our robots





TRY NOW!



ONLINE REMOTE CAFETERIA

Built by The Construct using





REQUEST A COFFEE NOW

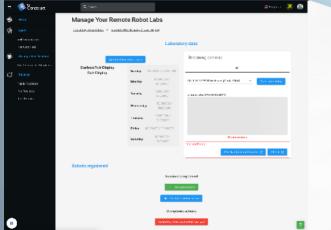


starbots.coffee





You can too provide real labs to your students or researchers!







Questions?







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