Weekly Presentation
Week 42

Luleå University of Technology

October 13, 2020

Overview

1. Status update
   - Milestone review
   - Challenges

2. Arrowhead

3. Computer Vision

Finished

Week 41 - Bot V1

⚠ Past due by 2 days   71% complete

Assemble V1 of robot. make the base move with the robot arm

☐ ① 4 Open ✓ 10 Closed	
☐ ⊘ **WIKI for communcation Raspberry pi and Dynamixel** `documentation` `raspberri pi` #25 by edwced was closed 17 hours ago	📞🐾
☐ ⊘ **Finish report workflow - Edward K** `report` #31 by Partins was closed 23 hours ago	⚙
☐ ⊘ **Test cameras** `computer vision` `nvidia` #15 by Partins was closed 6 days ago ☐ 0 of 3	⚙
☐ ⊘ **3D-print a box for the NVIDIA** `nvidia` #16 by Partins was closed 6 days ago	
☐ ⊘ **Print camera case** `computer vision` #35 by Partins was closed 6 days ago	⊗
☐ ⊘ **Make arm pick something up** `robot arm` #36 by edwced was closed 6 days ago	📞🐾
☐ ⊘ **Gripping Mechanism** `robot arm` #22 by NiklasDahlquist1 was closed 6 days ago	📞🐾
☐ ⊘ **Make two PCBs with TTL parts** `movable base` `robot arm` #28 by Partins was closed 6 days ago	🔵⊗
☐ ⊘ **Make the arm move** `robot arm` #27 by Partins was closed 7 days ago	📞🐾
☐ ⊘ **Finish report workflow - Niklas** `report` #30 by Partins was closed 8 days ago	⇅ 1 🐾

Unfinished

Weekly plan

Challenges

- TTL communication on NVIDIA
  - ▶ Ordered a USB-converter
- Wheel mode gives no feedback
  - ▶ Not needed for line following
  - ▶ We know the distance of QR codes
- Can't get HTTPS work with C++ (Arrowhead)
  - ▶ More on that soon

Arrowhead

Computer Vision

Questions?