EYSIP 2020 Weekly Report

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Cycle BOT using LQR

Team 1 (LQR)

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Important Points

Hardware implementation of Cyclebot.

- cycle_bot_arduino : main code of the bot
- timerInterrupt : code for the two timers being used
- Cycle__bot.m : Octave code for K matrix calculation using dlqr()
- mpu caliberation.txt : offset calculation of mpu
- serialTest

Relevant Links:

- All the work has been updated in the GitHub repository in the WEEK_6 folder.

  Link