

Robotics Report Format – First Challenge

General

Indicate who was in the group. All group members must sign the report to indicate that they have participated in the project.

Include a picture of your robot in your final report.

Overall report should be about 4-5 pages; however, use whatever space you want.

Use third person passive to report. Avoid the first and second person, unless it is unavoidable.

NOTE: it's always avoidable.

The report should contain the following sections.

Introduction

Describe your concept for your robot.

Design

Describe your final design.

What was your robot supposed to achieve? Why did you pick the speed that you did (faster than/slower than/same as square-bot)?

What added features did you include on your robot? What did you expect them to do? (In data, below, describe how well (or poorly) the robot performed these features.)

How robust was your robot? Were screws falling out? What could you do to fix this?

Team-Work and Decision-Making

How did your group make decisions? Were all group members involved in the discussion/decision-making? Did one group member “assume control?” (NOTE: team organization is a neutral concept for me. Democracy/Totalitarianism and anything in between is fine.) How well did this decision-making policy work in practice?

Data

In the first challenge, you were not expected to know how to take much data. However, you should consider this section from a heuristic, qualitative observational stand-point.

If possible, include relevant data, such as speed of your robot, speed to reach the ball, time to grab a ball, time to place ball in a goal.

Conclusion

How satisfied were you with your robot? If you could improve something on your concept, what improvements would you make?