Robotics Project: How We Grade and What You Need to Deliver

Your Name

Another Name

***Abstract*— This document explains the deliverables we expect from you if you take part in the Robotics Project. It also is the template for your scientific report.**

I. Deliverables

Your grade for the robotics project will be composed of four equal parts: 20% written report, 15% final presentation, 15% for implementation and quality of technical documentation, 50% overall project progress during semester.

A. Final Report

Please make sure you hand in your report on time—we do not accept late submissions! The deadline is on the ISIS course page. The report should be written like a conference paper, use this document as a template. The length should be 3-6 pages.

As a guideline your report should contain the following sections:

- Introduction (explain the big idea of your work - writing the 8 lines helps a lot to write this section!)
- Related Work (cite the papers that your work bases on and explain how they relate to your work)
- Technical section (explain your method on a high level, use diagrams, equation and pseudocode to get the general idea about your work. Try not to get lost in implementation details.)
- Experimental results (describe the experiments and the major results. Focus on the experiments that best show the capabilities of our method. You probably should not include every little experiment you did throughout the project)
- Conclusion (wrap up the paper and repeat the main points)

You might want to cite some papers in your report, please use bibtex [**?**].

B. Technical Documentation

You should properly distribute and document your work. This documentation should allow another user to run and understand your work and to replicate the results.

For code, you should upload your work to a git repository and share it with us. You can use the TUB's Gitlab service [1] or GitHub. You need to document how to run your code (and hardware) along with the code. We prefer markdown (.md) format in your git repository, although for some projects a different format might be more suitable.

[1] `https://git.tu-berlin.de/`

For contributions other than code, e.g. hardware, you can use Gitlab's integrated wiki or other appropriate formats to document those as well.

To grade your documentation, we will check if we can use your code to understand your work and to replicate your results.

C. Final Presentation

In your final presentation you should explain in 20 minutes what your project was about and present your major results. Your target audience should be researchers not familiar with your project (and usually there will be other lab members in the audience that do not know what you did the last months), so you can repeat a lot of things you presented through the semester. In your presentation try not to just explain everything you did, but rather focus on the story as laid out by your 8 lines and show only those results that best support your story.

D. Overall Progress

In this category we grade your effort throughout the semester. For good grades in this part it is helpful to communicate efficiently with your advisor and to come up with own ideas to your topic.

References