Some Suggestions for Writing a Good (Final Project) Report
Intelligent Robotics 06-30227
Intelligent Robotics (Extended) 06-30244
School of Computer Science
University of Birmingham

1. Please use the IEEE transactions LaTeX template (e.g., for IEEE Robotics and Automation Letters) for your report: https://journals.ieeeauthorcenter.ieee.org/create-your-ieee-journal-article/authoring-tools-and-templates/tools-for-ieee-authors/ieee-article-templates/

2. Since you are using the template specified above, your report is expected to follow the format of a typical paper published in these transactions. Your report will thus be expected to have sections describing the abstract, introduction, related work, algorithms and framework, experimental results, and conclusions.

3. Please do not include code snippets in the project report; instead, please include a link to the software repository. You should, however, describe the algorithms in sufficient detail for a knowledgeable reader to reproduce your results. You can use a pseudo-code (or algorithm) style for writing down the algorithms formally, which also requires that you describe the associated equations, parameters, initial conditions etc correctly.

4. Please make sure that you provide both a formal description and a qualitative textual description for the algorithms. Wherever possible, describe the properties of these algorithms such as complexity, obvious failing cases, convergence, run time etc. Please make sure the formal description of each algorithm is given on one page, and numbered suitably.

5. Please read through your report carefully and use a spell checker on your report. Avoid simple errors such as mixing up words or missing out words from sentences, and be careful in your use of articles and commas.

6. Use a good English style manual, e.g., Strunk and White, Fowler's Modern English Usage, and the Chicago Style Manual. Understand correct punctuation. See Larry Trask's excellent guide at: http://www.sussex.ac.uk/informatics/punctuation/

7. Number your figures. Include informative captions. Make sure all graphs have axes labelled with meaningful names and units. Reference documents correctly. You can find local information on referencing at http://www.cs.bham.ac.uk/~pxc/refs/index.html , and http://www.i-cite.bham.ac.uk/

8. Please think carefully about the hypotheses you evaluate experimentally. Experimental hypotheses are strongly related to the objectives and expected benefits of your choices (e.g., regarding the algorithms you have implemented). This separation between observation and interpretation is fundamental to experimental science. Remember to describe the parameters for all experiments.

9. While experimentally evaluating your hypotheses, please carefully consider the baselines you use for evaluation, the performance tasks considered, and the measures (or metric) used. Please also make sure you run a sufficient number of trials to compute statistics that enable you to comment about the significance of the results and the support (or lack thereof) for the hypotheses.