Report Structure

Please write your reports in LATEX and make them as well-written and presentable as possible, report quality is taken into account in grading. **Submit a zipped LATEX file or the PDF to Moodle OR via email to both TAs (ehsan.pajouheshgar@epfl.ch, martin.everaert@epfl.ch).**

We recommend you use a conference template to make things easier for you:

1. You can download this template: https://eccv2020.eu/wp-content/uploads/2020/03/ECCV-2020-kit_02.03.2020.zip
2. Put your names as the authors.
3. Make a footnote on the first page mentioning this was a project supervised by X in CS413 at EPFL.
4. Write a few sentences summarizing your project in the abstract section.

Reports should not exceed 15 pages if you use the ECCV template format (and equivalent length if you are not using this template). This does not include References and the Appendix. You should be concise and make every sentence and figure convey good information such that everything essential fits the 15 pages.

Below is a suggested structure you can follow. You can add more sections if deemed necessary.

1. Title and abstract

A title you choose for your submission, the names of the student authors, below the supervisor and professor, EPFL logo, date etc. An abstract that summarizes very briefly your course project.

2. Introduction

Maximum 3-4 pages, all external statements must be referenced.

Paragraph 1

What is the problem in general terms? Why is it important/of interest?

Paragraph 2

What other solutions are available? Why are they not good enough? What would we ideally want to have?

→ Narrow down to solutions similar to the last question (i.e. what we ideally want to have), which will be close to our proposition.

Paragraph 3

What are these good similar solutions? How do they work? (some technical insight) What are their limitations?

→ Narrow down to our solution only.

Paragraph 4

What are we proposing? How does it contribute/improve? What do we base our work on, briefly how do we solve?

Paragraph 5

What are the assumptions we make? A bit more about the method, what will be presented.

3. Literature review

All your statements must be referenced. Any related paper/resource you found should be listed for readers

Go over the entire related literature. Start from general to the most specific related methods.

For the most related papers, and for all papers/algorithms used in your project, you should go more into details and explains what the paper does, adding an explanation of their pros & cons and how they compare/relate to what you have done in your own work.

4. Implementation

Justify as much as possible all your design choices. Make clear all the details needed to reproduce your results.

Divide your project into different sections, and explain each one here.

Add as many illustrations and graphs/charts as possible to make sure your ideas are conveyed clearly. The goal is to make sure what you have done is clearly explained to be graded fairly.

5. Results

Emphasis on clarity and reporting results neatly in an organized readable way.

Conclude with a summary of all meaningful results you were able to obtain during your project. If possible, all results are benchmarked or compared to state-of-the-art results.

Your results should be accompanied by an analysis showing your understanding of why some approach outperforms another, and in what sense/cases it does so.

And lastly, discuss the limitations you faced (not implementation problems, but limitations to the project itself), and what you think can be improved.

6. Conclusion

A short conclusion where you summarize what you have essentially done in your project, possible extensions or future work, as well as limitations.

7. References

No page limits.

All the references you cited in this report. Be consistent in the format you choose for your references. For author names: ”James Bond”, first names replaced with the first letter ”J. Bond”. For conference proceedings, the work should be cited as ”*In Proc. Conference on Abc Def (CAD)*” with the acronym in parentheses, unlike journals where only the journal name is cited. Add page numbers when available, and the date in the end.

Ex conference: M. Chiang and T. E. Boult. Local blur estimation and super-resolution. *In Proc. IEEE Computer Society Conference on Computer Vision and Pattern Recognition (CVPR)*, pages 821-826, 1997.

Ex journal: A. Pentland. A new sense for depth of field. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, pages 523-531, 1987.

For websites, books, etc.: follow the convention of your choice, as long as you are consistent.

It is important that you cite everything you used, so that readers can find these works again.

8. Appendix

No page limits.

Provide documentation for all of your codes. This will help the grading of your submitted codes, the clearer things are the easier it will be to understand your codes, to test them and to grade you fairly.

If you have any proofs or any notes, you can also add them to the appendix.