

CSCI 8820 Computer Vision and Pattern Recognition

Guidelines for the Final Project Report Due Wednesday, May 1, 2024 by 11.59pm (23:59 EDT)

These guidelines are meant to be general. Not everything mentioned here may be applicable to your specific project and some projects may require certain specific details to be mentioned in the final report which are not mentioned in these guidelines. Therefore, you may have to use your judgment under these circumstances. Broadly speaking, your final report should be organized as a typical journal paper. Since most (if not all) of you would have read some journal papers during the course of your project you should be already familiar with the general format. The final report should consist of the following:

Title Page: This should be the first page of your report. It should contain the report title and the name(s) of the author(s).

Abstract: State the problem and the significance of the problem. State how you have tackled and solved the problem. State the significance of your approach. Mention significant results. The abstract should be typically 200-300 words in length.

Introduction: Introduce the problem. Give the necessary background description. Explain and justify the motivation for selecting the problem. Explain the organization of the rest of the report.

Literature Review: Describe briefly the relevant works of other researchers who have tackled the same or similar problems. Point clearly the similarities or differences between your work and the works of others. Point out the shortcomings/advantages of the previous works and how you plan to analyze these shortcomings/advantages in your work.

Problem Description: Describe your specific problem and the solution approach in detail. This may require several subsections or may span more than one section. Use figures, flowcharts and pseudo-code descriptions of algorithms whenever and wherever appropriate. *Clearly mention and justify points of originality that pertain to your approach of tackling or solving the problem.*

Results: Describe your results. Also mention the significance of your results wherever applicable. Use tables, graphs, figures and images wherever appropriate. Explain and justify your results. Explain the techniques used to validate your results.

Conclusions and Future Directions: Conclude your report by (i) restating the problem that you solved, (ii) stating the significance of your work in the light of the results that were obtained and (iii) outlining future directions to enhance your work or alternative approaches to solve the problem.

References: List the references cited in the report.

Division of Work: In the case of multiple authors (project team members) clearly state how the work in the project was divided.

Appendices: Should contain sample runs, lengthy proofs of theorems and derivations that were skipped in the main body of the report etc. Source code (well documented) should be included in the appendix.

Submission: You are required to submit your project report as a **single PDF file** via ELC. For a project team with multiple members, only a single submission is required and expected. The overall length of the project report is expected to be 5,000-6,000 words (10-12 papers single-spaced or 15-18 pages 1.5-spaced in 12 point-size Times New Roman font) excluding references.