



CIS*4720 Image Processing and Vision
Winter 2023, Project Guidelines

DOCUMENTATION

Your project documentation should not exceed 12 pages, including the cover page and the table of contents. It should be informative, attractive, and easy to read. Use a 12-point font, single spacing, and 1-inch margins. You are encouraged to break each section into subsections and include figures, tables and screenshots. There should be no mention of any specific programming language.

Section 1 - User's Manual *(or how to drive the car)*

Describe what your image processing toolbox does (or is supposed to do) and how to use it. Describe what it does not do (and is not supposed to do).

Section 2 - Technical Discussion *(or how the car engine works)*

Describe how your image processing toolbox does what it does (or is supposed to do), i.e., describe the methods, equations and algorithms implemented. This section is about the theory behind your programs. You may refer to the lecture slides and other sources.

Section 3 - Discussion of Results and Future Work *(or why this car is great but its successor will be even better)*

Describe what your image processing toolbox actually does. What doesn't work? How exactly did you test your programs? What test data did you use? What are your programs' performances and strengths? What are the weaknesses you would remedy in the future, and what functionalities would you add?

GRADING SCHEME

Demo 60%

What you say: 15%
How you say it (including time control): 15%
What you show: 15%
How you answer the questions: 15%

Documentation 40%

Section 1: 10%
Section 2: 10%
Section 3: 10%
Presentation: 10%

NOTE: Your code will not be marked. However, your image processing toolbox should exhibit key attributes of good software (e.g., maintainability, usability, efficiency) and you may lose up to 20% if fundamental software engineering principles and coding standards are flouted.