Python Team Project Report

[Insert team members’ names on this line]

[Your section]: Team [your team number]

[Course number and name]

[Instructor’s name]

[Date]

# Project Motivation

*Write your project motivation section here. Discuss how image processing and cipher techniques are used in your chosen engineering discipline, citing at least three appropriate references.*

# Project Overview and Methods

*Write your project overview and methods section here. This includes a description of algorithms, a summary of background research, and evidence to support the methods chosen for each of the processing steps.*

# Discussion of Algorithm Design

*Write a detailed discussion of your algorithm here. Be sure to include properly labeled flowcharts of the overall program and user-defined functions and design rationale for modularizing code.*

# References

*List your references here using the MLA format. See* [*Purdue OWL*](https://owl.purdue.edu/owl/research_and_citation/apa_style/apa_formatting_and_style_guide/apa_sample_paper.html) *for help with formatting.*

# Appendix

1. User manual

*This should be a**guide for operating the program along with sample inputs and outputs (including pictures).*

1. Project management plan*(*Team members’ contribution*)*

*Summary of the contributions of each member of the team to the project. Describe your team's methods for collaboration that facilitated active participation and learning by all team members. Include a discussion of opportunities for improvement for future team projects.*

1. Discussion of design process*(Approach to the design process)*

*Description of how your team followed the design process, which is defined as "a process of devising a system, component, or process, to meet desired needs within constraints. It is an iterative, creative, decision-making process that involves developing requirements, performing analysis and synthesis, generating multiple solutions, evaluating solutions against requirements, considering risks, and making trade-offs”.*

1. Code

*The team should upload the Python files, but they should also include the code as an appendix in the report. Code should be well commented to increase readability for future users of the algorithm.*