3831 Coursework Part 3 Report

# Introduction to the Problem

The problem I am looking to solve is the denoising of dirty images utilising a Fourier transformation and denoising methods and comparing the results against other prominent methods of denoising images. This process is incredibly important for improving the quality of images so they can be effectively used for many applications like photorealistic visuals [fourth paragraph of introduction - Reference 1] and principally computer vision so important features are more easily extractable from the image for cases like object detection or facial recognition [4. Enhanced image recognition and computer vision - Reference 2].

# Description of my Algorithm

# Presentation of Results

# Key Findings

# Conclusions

# References

1. (NVIDIA Blog, JJ Kim), 2022, URL = <https://blogs.nvidia.com/blog/what-is-denoising/#:~:text=Removing%20noise%20from%20imagery%20—%20which,to%20the%20quality%20of%20images> , Last Accessed 21/11/2023.
2. Visionary.AI Blog, 2023, URL = <https://www.visionary.ai/blog/7-benefits-to-removing-video-noise> , Last Accessed 21/11/2023