

Weekly Report: Digital Image Watermarking and Extraction

Project Number: 20

1 Introduction

This week, we started with our research on our topic i.e. Digital Watermarking and Extraction. Going through different papers and works done by people, we gained knowledge about how this is carried out and its importance in the real world.

2 Research

There are several ways in which a watermark can be embedded in an image, for example, Visible watermarking, Invisible (robust) watermarking, Invisible (fragile) watermarking, etc. From this, we decided to work on Invisible robust watermarking as it is not noticeable and also used for copyright tracking and survives image transformations to a large extent.

3 Conclusion

Work done this week:

- Learned about watermarking and its real-life applications
- Explored ways of watermarking an image
- Shortlisted our desired method to work upon
- Researched about the topic and got to know about different works done in this area

Work to be done in the next week:

- Research about Invisible (robust) watermarking and its techniques
- Read about the extraction of a watermark from an image