Spectral Re-mapping for Image Downscaling

Project Report
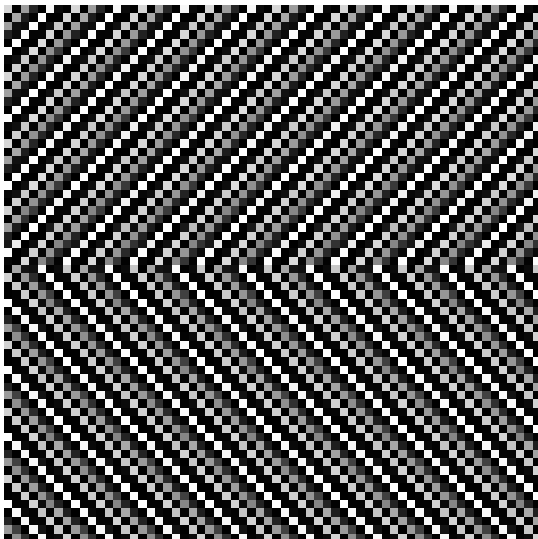
Team Member:- Yaghyavardhan Singh , Manan Sharma,

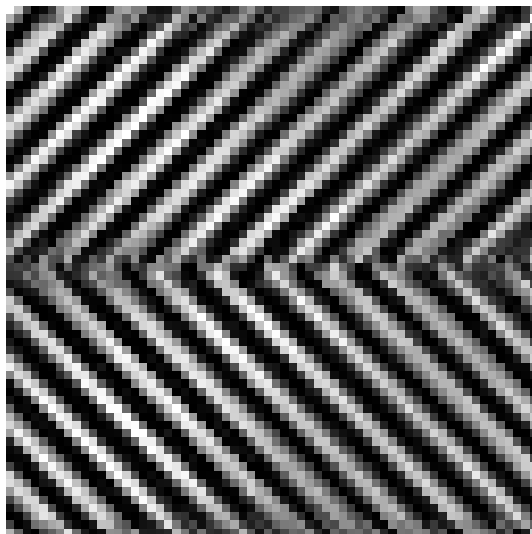Mohd Sharique

Results:-

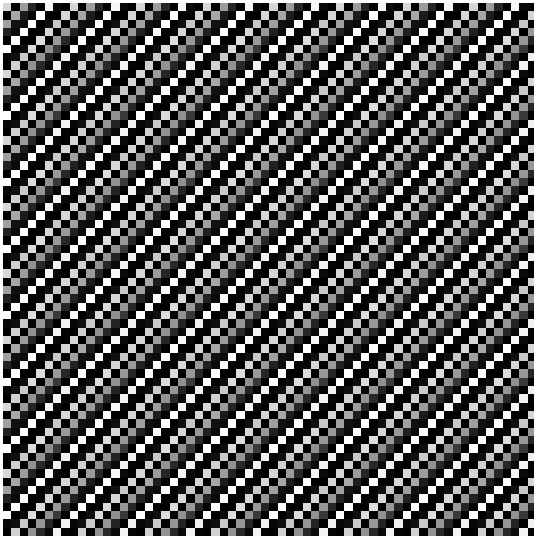### Example 1

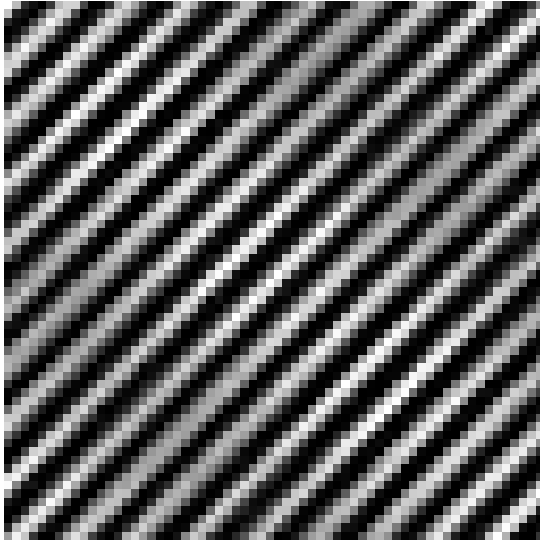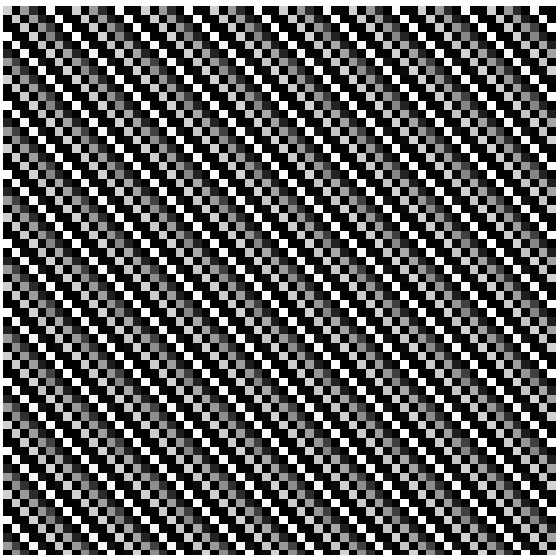| Source Image | Downscaled Image |

Example 2

Source Image

Downscaled Image

Example 3

Source Image

Downscaled Image

Observations:-

1. While this method works on large number of examples but still there were some images where it doesn't works properly that is some artifacts were found.

2. While this method seems robust but the implementation takes some time to give results. This can mainly be attributed to high time complexity of the algorithm.