Part 2 – K-Means Clustering on Images

The program along with the output images are stored in the folder HW3\_Part2.

The compression ratio along with the average and the variance of the compression ratio have been tabulated in the file ‘Report.xlsx’ in the second tab ‘Part2’.

There is a trade-off between image quality and degree of compression. As we can see, higher degree of compression yields a blurred output image. The value of K = 10 is a good value for both the images as the images are fairly resemble the original image and have a low image size.