

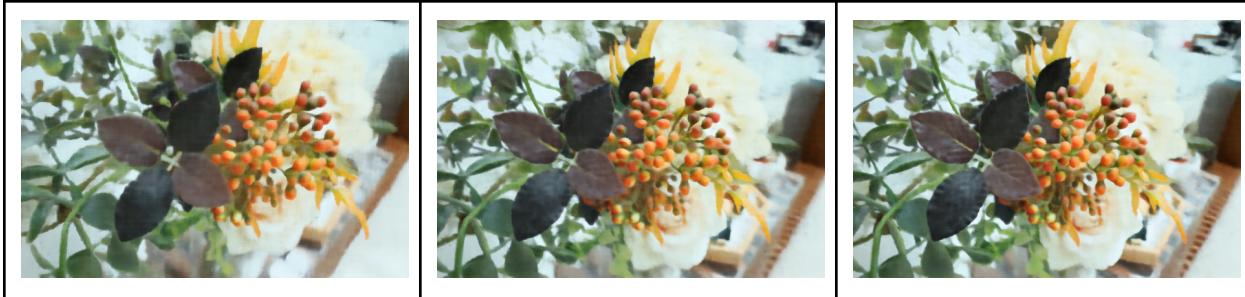
# Progress Report

This report summarizes the development of the project during the 7th Week (24/07/22-31/07/22)

The neural network trains on a variety of images and leverages training data from other datasets. Some results are illustrated in the table below at **20K**, **40K**, and **60K** iterations respectively.

The **blur pattern progressively reduces** in the images over the training period.

At 20K	At 40K	At 60K
		
		
		

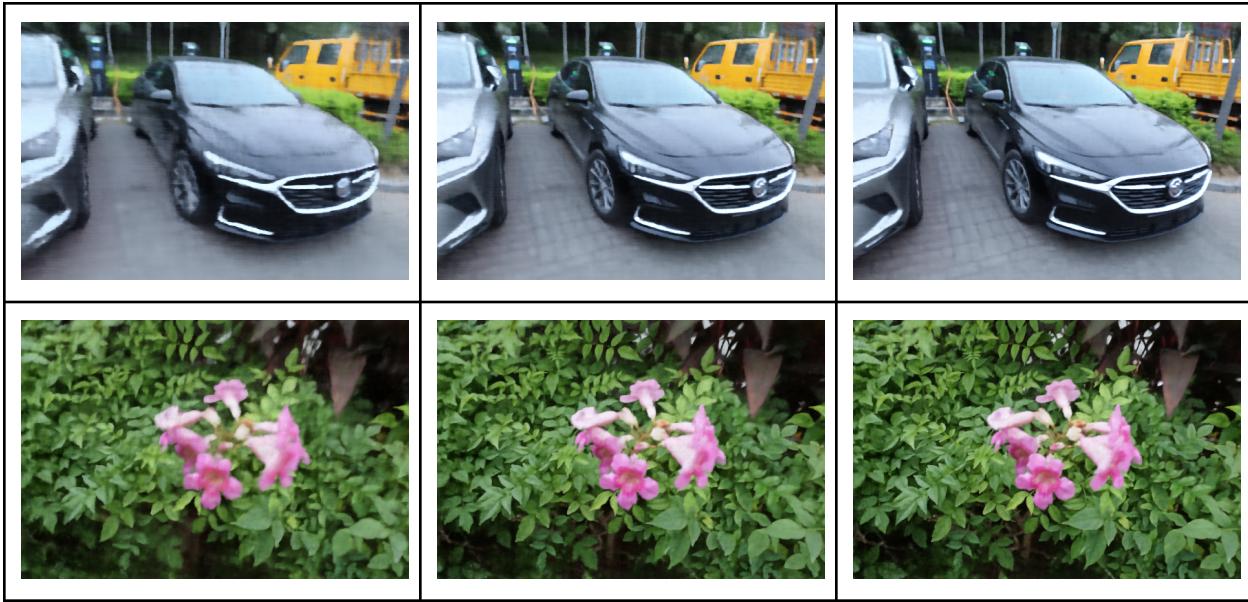


In this case, the neural network is trained on images from a different dataset with **defocus** and **camera-shake** blur patterns.

The results illustrated in the table below show the reduction in the blur patterns for **20K**, **60K**, and **100K** iterations respectively.

Please note these images are trained on the dataset provided by the actual authors under license.

At 20K	At 60K	At 100K



## Key Observations

1. The PSNR (peak signal to noise ratio) steadily increases while training the images for 100K iterations.
2. The loss reduces progressively throughout the training process.
3. The FSIM (Feature Similarity Index) metrics remains to be implemented. After successful implementation of this metric, it will provide a comprehensive understanding of the difference in the quality of the reconstructed images.