Model Engineering College Ernakulam
Department of Computer Engineering
B. Tech. Computer Science & Engineering
CS 451 PROJECT
Periodic Report No.1 (From 13-01-2020 to 17-01-2020)
Image Reimputation using GAN
Group number:15
32 Krishnaprasad k
64 Jimmy Jos P
60 Thomas Joseph
62 Vishnu V

1 Work Assigned

1.1 Image sharpening using opencv

1.2 Image Resizing Using Opencv

1.3 Image denoising using opencv

2 Work Done

2.1 Image Sharpening using opencv

Learned various methods in both spatial and frequency domain like unsharp masking,filters like butterworth and Gaussian.

2.1.1 Algorithm

1. Acquire the image

2. Define the kernel matrix

3. Convolution using kernel

4. Display the sharpened image

2.2 Image denoising using opencv

Denoising of an image refers to the process of reconstruction of a signal from noisy images. Denoising is done to remove unwanted noise from image to analyze it in better form. It refers to one of the major pre-processing steps.

2.3 Image resizing

Resizing an image means changing the dimensions of it, be it width alone, height alone or both. Also, the aspect ratio of the original image could be preserved in the resized image. To resize an image, OpenCV provides cv2.resize() function.

3 Work Schedule for Next 7 Days

Learn more preprocessing steps.

1. Django basics

2. Server Implementation using django

3. Django database management

4   Assessment - Guide

Performance assessment & Remarks by the guide: Poor/Acceptable/Satisfactory/Good/Very Good/Excellent

Name & dated signature of the guide:
Sheeena Anees
Assistant Professor
Department of Computer Engineering
Model Engineering College