

Report for third lab

Part 1 :

Source



Equalized



The most important result is the equalization of the brightness, value in HSV model, as we can see the image becomes more brilliant and we can observe more details. The other two cases, when we equalize sue and saturation, the image changed but it is very similar to the original.

Part 2 :

Gaussian



Median



Bilateral



Gaussian and Median filter are similar but it possible to note that the first is better for reducing the noise than second although not the faster.

Bilateral filter smooth the edges therefore this improves the quality of image.