Image to Pencile sketch

Language: Python Libray: OpenCV

Steps

1. Read image
2. Convert the coloured image to Gray image
3. COnvert gray image to blur image

```
import cv2
```

```
from google.colab.patches import cv2_imshow
img=cv2.imread('/content/flower.jfif')
cv2_imshow(img)
```

```
gray_image=cv2.cvtColor(img,cv2.COLOR_BGR2GRAY)
cv2_imshow(gray_image)
```

```
gray_image=255-gray_image
cv2_imshow(inverted_image)
```

GaussianBlur(src, dst, ksize, sigmaX) This method accepts the following parameters −

src − A Mat object representing the source (input image) for this operation.

dst − A Mat object representing the destination (output image) for this operation.

ksize − A Size object representing the size of the kernel.

sigmaX − A variable of the type double representing the Gaussian kernel standard deviation in X direction.

1. List item
2. List item

```
blurred=cv2.GaussianBlur(gray_image,(21,21),0)
```

```
inverted_blurred=255-blurred
pencil=cv2.divide(gray_image,inverted_blurred,scale=256.0)
cv2_imshow(pencil)
```

```
cv2_imshow(img)
```

```
cv2_imshow(pencil)
```