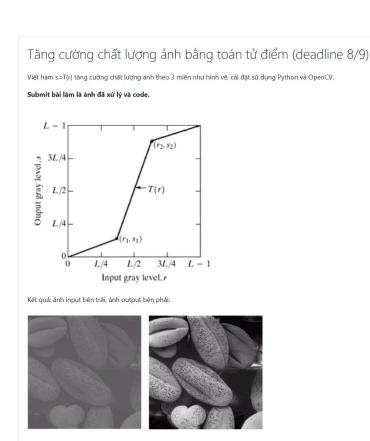
Họ tên: Đỗ Ngọc Lâm

MSV: B22DCCN476

Lóp: D22CNPM04

Lớp học phần: XLAN3FA25



## BÀI LÀM

1. Code (bên dưới hoặc <u>Image Processing/btn Chuong2 at main · lamlocan5/Image Processing</u> - Github)

```
13.
               lut[r] = ((s2 - s1) / (r2 - r1)) * (r - r1) + s1
14.
           else:
15.
               lut[r] = ((L - 1 - s2) / (L - 1 - r2)) * (r - r2) + s2
       return cv2.LUT(img, lut)
16.
17.
18.path =
   r"C:\Users\Admin\Desktop\PTIT\Y4_T1\XLA\ThuVienAnhMau\DIP3E_Original_Ima
   ges_CH03\Fig0310(b)(washed_out_pollen_image).tif"
19.img_color = cv2.imread(path, cv2.IMREAD_COLOR)
20.img_color = cv2.cvtColor(img_color, cv2.COLOR_BGR2RGB)
21.
22.img_gray = cv2.cvtColor(img_color, cv2.COLOR_RGB2GRAY)
24.output = piecewise_linear_transform(img_gray, r1=64, s1=32, r2=128,
   s2=192)
25.
26.plt.figure(figsize=(10,5))
27.
28.plt.subplot(1,2,1)
29.plt.title("Input")
30.plt.imshow(img_color)
31.plt.axis("off")
32.
33.plt.subplot(1,2,2)
34.plt.title("Output")
35.plt.imshow(output, cmap="gray")
36.plt.axis("off")
37.
38.plt.show()
```

## 2. Ånh minh chứng

