K.RAMAKRISHNAN

COLLEGE OF TECHNOLOGY

(AN AUTONOMOUS INSTITUTION)

SAMAYAPURAM, TRICHY-621 112

Practical Record Note

Name : KAVIN VISHVESH A

Register Number : 2303811710421075

Subject code/name : Laboratory

Programme :

K.RAMAKRISHNAN

Certified that this is a bonafide record of work done by **KAVIN VISHVESH A** of _____ Semester in **Python Programming - I Year - II Sem - Project Module** Laboratory during the academic year 2023-2024

His/Her University Register Number is **2303811710421075**

Staff Incharge **Head of the Department**

Submitted for the Practical exam held on:

Internal Examiner
Date:

External Examiner
Date:

Aim:

Project Module.

Program:

CTP28132.py

```
from PIL import Image, ImageEnhance
# Open an image file
img = Image.open("testme.jpg")
# Technique 1: Resize
newsize = (300, 300)
img_resized = img.resize(newsize)
print(img_resized.size)
# Technique 2: Crop
crop_area = (100, 100, 300, 300)
img_cropped = img.crop(crop_area)
print(img_cropped.size)
# Technique 3: Apply filters and effects
enhancer = ImageEnhance.Brightness(img)
img_enhanced = enhancer.enhance(1.5)
print(img_enhanced.size)
# Save the edited images
img_resized.save("resized_image.jpg")
img_cropped.save("cropped_image.jpg")
img_enhanced.save("enhanced_image.jpg")

# Technique 4: Apply color filters
img_color = img.convert("L")  # convert to grayscale
img_color.save("grayscale_image.jpg")

img_color = img.convert("H")  # convert to hue
img_color.save("hue_image.jpg")

img_color = img.convert("HSV")  # convert to HSV
img_color.save("hsv_image.jpg")

# Technique 5: Apply artistic filters
img_filter = img.filter(ImageFilter.EMBOSS)
img_filter.save("emboss_image.jpg")

img_filter = img.filter(ImageFilter.CONTOUR)
img_filter.save("contour_image.jpg")

img_filter = img.filter(ImageFilter.SHARPEN)
img_filter.save("sharpen_image.jpg")
```

Output:

Test case - 1
User Output
Hello World
Hello World