#### **LETS GROW MORE - Virtual Internship 2023**

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TASK 4 - Image to Pencil Sketch with Python

#### Steps involved in this project is

- 1 import important Libraries
- 2 Reading the image.
- 3 Converting the negative image
- 4 Converting the negative image into a blurry image.
- 5 Creating a pencil sketch image.
- 6 Make a comparison between original image and sketch image.

#### Import important libraries.

```
In [3]: 1 import cv2
```

#### **Reading the Image**

Out[4]: -1

```
Original image
```

## **Converting the negative image**

Out[5]: -1

```
negative image
```

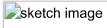
## Converting the negative image to Blury image

Out[6]: -1

```
In [7]: 1 blurred = cv2.GaussianBlur(inverted_image, (21, 21), 0)
```

# Finally creating the Pencil sketch image by mixing the grayscale image with the inverted blurry image.

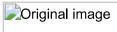
Out[8]: -1



## comparing original image and pencil sketch

```
In [9]: 1 cv2.imshow("MG.jpg", image)
2 cv2.imshow("MG SKECH", pencil_sketch)
3 cv2.waitKey(0)
```

Out[9]: -1



Thus i have Successfully converted Original image to pencil sketch.

## Thank you.

```
In [ ]: 1
```