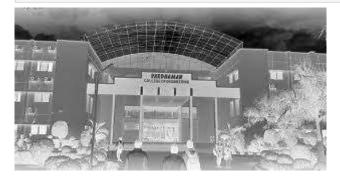
```
In [ ]:
In [ ]:
In [5]:
        import os
        os.sys.path
        ['C:\\Users\\navee',
Out[5]:
         'C:\\Users\\navee\\anaconda3\\python39.zip',
         'C:\\Users\\navee\\anaconda3\\DLLs',
         'C:\\Users\\navee\\anaconda3\\lib',
         'C:\\Users\\navee\\anaconda3',
         'C:\\Users\\navee\\anaconda3\\lib\\site-packages',
         'C:\\Users\\navee\\anaconda3\\lib\\site-packages\\win32',
         'C:\\Users\\navee\\anaconda3\\lib\\site-packages\\win32\\lib',
         'C:\\Users\\navee\\anaconda3\\lib\\site-packages\\Pythonwin']
In [6]: pip install opency-python
        Collecting opency-python
          Downloading opencv python-4.6.0.66-cp36-abi3-win amd64.whl (35.6 MB)
        Requirement already satisfied: numpy>=1.14.5 in c:\users\navee\anaconda3\lib\site-pac
        kages (from opency-python) (1.21.5)
        Installing collected packages: opencv-python
        Successfully installed opency-python-4.6.0.66
        Note: you may need to restart the kernel to use updated packages.
In [7]:
        from matplotlib import pyplot as plt
        import cv2
        from PIL import Image
        from IPython.display import display
In [8]: img="vardhaman.jpg"
        ri=cv2.imread(img)
        display(Image.fromarray(ri))
        img_gray=cv2.cvtColor(ri,cv2.COLOR BGR2GRAY)
        display(Image.fromarray(img_gray))
```



In [12]: img_invert=cv2.bitwise_not(img_gray)
display(Image.fromarray(img_invert))



in [13]: img_smoothing=cv2.GaussianBlur(img_invert,(21,21),sigmaX=0,sigmaY=0)
display(Image.fromarray(img_smoothing))



In [15]: def vce(x,y):
 return cv2.divide(x,255-y,scale=256)
 final_img=vce(img_gray,img_smoothing)
 display(Image.fromarray(final_img))



In []:

In []:

Image to Pencil sketch with python

In]:	
In	[]:	
In	[]:	
In	[]:	
In	[]:	