VISION 2.0

Assignment

TASK-1

You are required to **detect** and **extract the different shapes of different colours** and **make multiple images for each colour** and submit them along with your **code**. You are given the following images named- **opencv1.jpeg** and **opencv2.png**. For both the images you are required to detect the different shades of red, green and blue and extract their respective shapes and make 3 different images, each for the 3 colours. **The new images need to have a white background with the shapes of their respective colours.** The images should be named **red.jpg**, **green.jpg** and **blue.jpg**.

REMEMBER YOU DON'T NEED TO DETECT THE SHAPES, YOU JUST NEED TO EXTRACT THEM

TASK-2

You need to make a program using color segmenation with OpenCV, which could implement the invisible cloak as depicted in the following video :
Link : https://www.youtube.com/watch?v=YLnP2Ge65MU

STUDY MATERIALS:
OpenCV Tutorials of Color Segmentation:

↦https://www.learnopencv.com/invisibility-cloak-using-color-detection-and-segmentation-with-opencv/

↦https://pythonprogramming.net/color-filter-python-opencv-tutorial/

↦You can also refer to Sentdex Python YouTube Videos for OpenCV.