INSTANT B & W SKETCH FROM LIVE CAM

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INSTANT-B & W-SKETCH-FROM-LIVE-CAM

Here the main idea is to convert the image into a grayscale and then blur the background. Then we will add the black and white foreground to the blurred image. To separate the background we will be inverting the image and then we will blur it, and our final output will be a pencil sketch of the provided image or the frame recorded in the webcam.

WHAT IS OPENCV

- OpenCV (Open Source Computer Vision Library) is an open source computer vision and machine learning software library. OpenCV was built to provide a common infrastructure for computer vision applications and to accelerate use of machine perception in the commercial products

- The library has more than 2500 optimized algorithms, which includes a comprehensive set of both classic and state-of-the-art computer vision and machine learning algorithms. These algorithms can be used to detect and recognize faces, identify objects, classify human actions in videos, track camera movements, track moving objects, extract 3D models of objects, produce 3D point clouds from stereo cameras, stitch images together to produce a high resolution image of an entire scene

LIVE SKETCH ALGORITHM

<<<< **1** >>>>

1.Capturing Real-time Video from the source example – computer's camera

<<<< **2** >>>>

2.Reading each frame of the video, so that we can make manipulations on the frame.
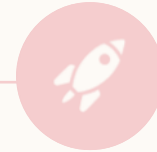
<<<< **3** >>>>

3.Converting each frame from **colored to grayscale**, using OpenCV functions.
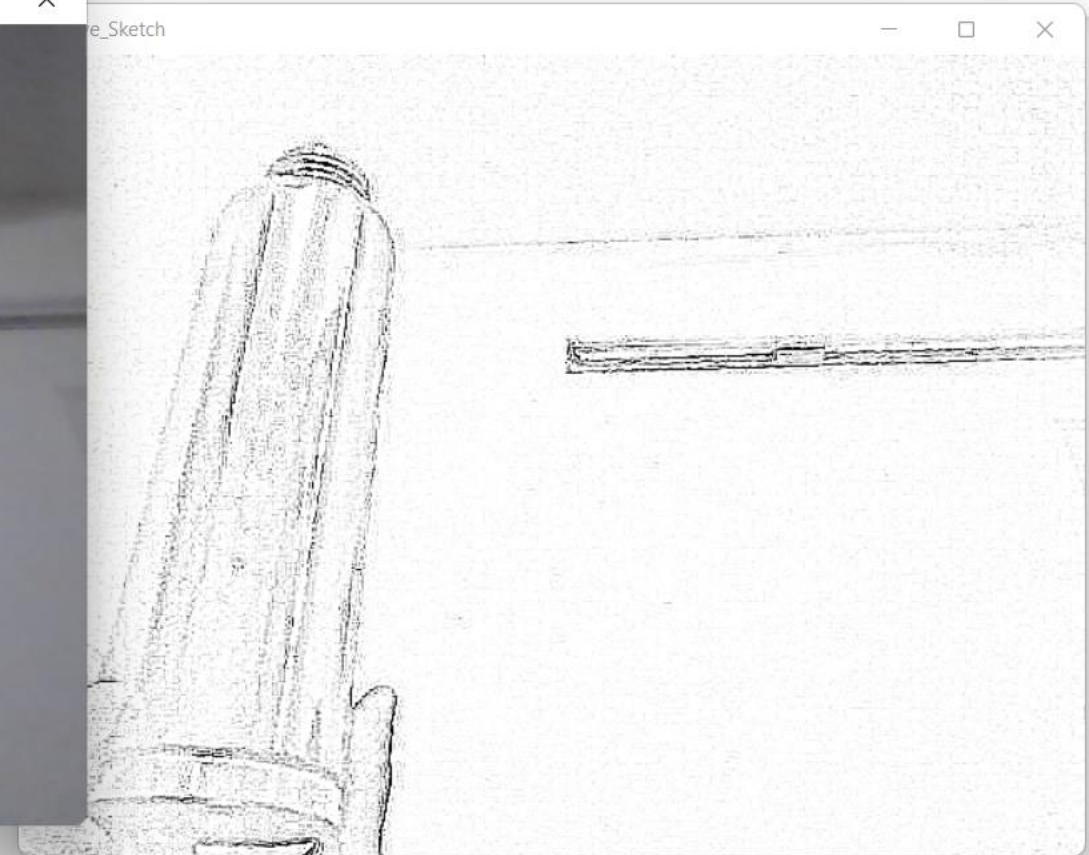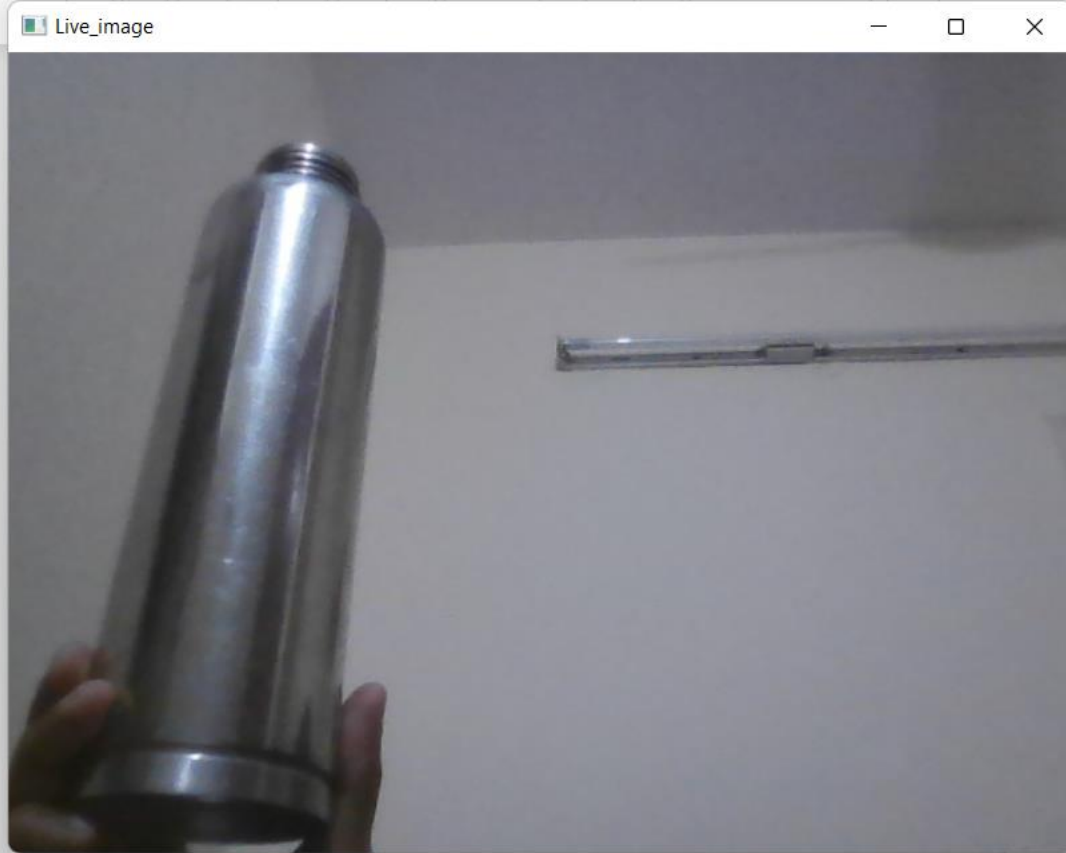
<<<< **4** >>>>

4.Making Use of **Blurring** on the **grayscale** image to remove all the noises.**(Gaussian Blur)**

<<<< **5** >>>>

5.Detecting Edges of the blurred image, for making it like a sketch of the person or object. **(Canny Edge)**

TIMELINE

Live Image to Sketch

Choose an image...

passport.jpg

browse files

Make Sketch

THANK YOU