**METHODS**

Step 1: OPENCV

Computer vision, machine learning, and image processing and now it plays a major role in real-time operation which is very important in today’s systems. By using it, one can process images and videos to identify objects, faces, or even handwriting of a human.

Step 2: RESIZING IMAGE

Machine learning models work with a fixed sized input. The same idea applies to computer vision models as well. The images we use for training our model must be of the same size.

Step 3: OBJECT DETECTION

Object detection is an important task, yet challenging vision task. It is a critical part of many applications such as image search, image auto-annotation and scene understanding, object tracking

Step 4: IMAGE PROCESSING

It focuses on image manipulation. Image processing is a method to perform some operations on an image, in order to get an enhanced image or to extract some useful information from it.

Step 5: PATTERN RECOGNIZATION

It explains various techniques to classify patterns. Pattern recognition is the automated recognition of patterns and regularities in data