Abstract

Object detection [9] is a well-known computer technology connected with computer vision and image processing that focuses on detecting objects or its instances of a certain class (such as humans, flowers, animals) in digital images and videos. There are various applications of object detection that have been well researched including face detection, character recognition, and vehicle calculator. Object detection can be used for various purposes including retrieval and surveillance. In this study, various basic concepts used in object detection while making use of OpenCV library of python 2.7, improving the efficiency and accuracy of object detection are presented.

References


8. Shijian Tang and Ye Yuan,”Object Detection based on Conventional Neural Network”.


**Index Terms**

Computer Science

Software Engineering

**Keywords**

Object Detection, IOU, OpenCV, Python, Matlab.