Abstract

This paper gives the efficient model of the process of detecting the object and analyzing the gesture of an object using the machine learning and computer vision for decision making after surveying various research in the field of pattern recognition. It is based on the objects behavioural activities, Gesture recognition is very essential for making a decision. This research paper deals with Human-Computer Interaction (HCI). The object is may be hand, face, vehicle etc. In our research work we will extract 3D information about the captured image and calculate the distance of an object from the camera, detect the object gesture further we perform edge detection and then apply vision based and data based object gesture recognition. The implementation of the methodology will be done on the MATLAB tool.

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Index Terms

Computer Science  Artificial Intelligence
Keywords