Abstract

The sign language recognition and translation can be achieved which involves static and dynamic gesture recognition in which static gestures can easily be interpreted. But, for Dynamic gestures the sign language can be recognized with motion of the hands or movement of it for which Image based i.e. vision based mechanism can be applied. The Vision based technique involves either capturing the image of action or position or even directly visually recognizing the
action. This technique which is very easy to understand as vision based can include both images as well as sequences of actions. Then, the feature i.e. signs action extraction and processing can be done according to type of sign recognized during visual gestures. Then compare with existing gestures and display the message and can be translated into text and speech as well. Also different image preprocessing algorithms can be developed.

References


Index Terms

Computer Science Engineering and Technology

Keywords

Recognition Static Signs Analysis Sign language recognition gestures image processing