Technology Interaction using Hand Sign using Deep Learning

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Abstract: Hand Signs can be used as a human computer interaction tool by computer vision and deep learning. We have designed and developing a system that can identify hand signs and perform appropriate actions in the computer system which are predefined. We will capture the video from web cam and then read the video from image by image. Then the images will be feed into the single shot multiscale boundary detector convolutional neural network to match the pattern it learned which can be folded hand with open thumb and pinky finger in different orientation and fore finger up along with thump or middle finger.

Keywords: Hand Sign Recognition; Camera Sensors; Deep Neural Networks.

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