**Sign Language Recognition**

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**Introduction**

American Sign Language is a predominant sign language since the only disability D&M people have is communication related and they cannot use spoken languages hence the only way for them to communicate is through sign language. Communication is the process of exchange of thoughts and messages in various ways such as speech, signals, behavior and visuals. Deaf and dumb (D&M) people make use of their hands to express different gestures to express their ideas with other people. Gestures are the nonverbally exchanged messages and these gestures are understood with vision. This nonverbal communication of deaf and dumb people is called sign language.

**Problem statement**

It is difficult for everyone to communicate with people with hearing and speaking disabilities. Most expensive tools.

**Objective**

* To identify the symbolic expression through images so that the communication gap between a normal and hearing impaired person can be easily bridged.
* Our aim is to collect a dataset and then use various feature extraction techniques to bring out useful information & then input into various supervised learning techniques
* To develop an algorithm to predict the gesture in real time.