

## Hand Gesture Recognition System

Human Computer Interaction moves forward in the field of sign language interpretation. Indian Sign Language (ISL) Interpretation system is a good way to help the Indian hearing-impaired people to interact with normal people with the help of computer. As compared to other sign languages, ISL interpretation has got less attention by the people. In this project, some historical background, need, scope and concern of ISL are given. Vision based hand gesture recognition system have been discussed as hand plays vital communication mode. Considering Existing works, various techniques available for hand tracking, segmentation, feature extraction and classification are listed. Vision based system have challenges over traditional hardware-based approach; by efficient use of computer vision and pattern recognition, it is possible to work on such system which will be natural and accepted, in general.

**Domain:** Java / Web Applications

**Technology:** MATLAB