

Literature Survey:

TITLE	ABSTRACT
Real-time Sign Language Recognition using Computer Vision	Image processing combined with Machine Learning is used. The image obtained after pre processing is used to forming the data that contains 24 alphabets and then converted the letters into text
Real Time Two way Communication Approach For Hearing Impaired and Dumb Person Based On Image Processing	<p>The objective of this paper is to develop a real time system for hand gesture recognition which recognize hand gestures, features of hands such as peak calculation and angle calculation and then convert gesture images into voice and vice versa. To implement this system they used a simple night vision web-cam with 20 megapixel intensity. The ideas consisted of designing and implement a system using artificial intelligence, image processing and data mining concepts to take input as hand gestures and generated recognizable outputs in the form of text and voice with 91% accuracy.</p>

<p>Real-Time conversion of sign language to text and speech</p>	<p>Performance of different sign language to text/speech is analysed. Using the best method from analysis, an android application is developed that can convert real time ASL signs to text/speech.</p>
<p>An Interpreter for the Differently able using Haptic Feedback and Machine Learning</p>	<p>The system implemented has two modules – an American Sign Language recognition module which uses a machine-learning algorithm to cater the people with vocal disability and a speech to haptic feedback conversion module which can be used for communicating to any kind of differently-able</p>
<p>Portable Communication Aid for Specially Challenged: Conversion of Hand Gestures into Voice and Vice Versa</p>	<p>This proposed system is to build up a real time embedded product for the disabled persons without handheld gloves. The speech communication by normal person will be converted into gestures for the disabled person for their better understanding.</p>