	Paper name	Author name	Algorithm used	Application	limitation
1	Motionlets matching with adaptive kernels for 3D Indian Sign Language recognition.	Kishore, D.A,Sastry,A.C. S, & E. K, P.V. Kumar,	They create a two-phase algorithm for device translations that maintain many regions of three- dimensional sign language motion information.	An application that recognizes Indian sign language indications. It is generated 3D motion captured data, which is then used to recognize sign language.	The model translates sign languages does not convert text to sign languages.
2	A wearable system for recognizing American Sign Language using IMU and surface EMG sensors.	Wu, Jian,Lu, Sun and Roozbeh Jafari	The best subset of highlights from countless different highlights is selected, and 4 common different algorithms are researched for device designs.	Hand gestures are used to detect signals performed by both speech-impaired and hearing impaired people into speech	Using hand-held sensors and talking would not have the same level of

					precision.
3	Avatar- based sign language interpretation for weather forecast and other TV programs	oh J, Kim B, Kim M, Kang S, Kwon H, Kim I, Song Y	They studied the previous 3 years' worth of weather forecasting documents from the variety of Sources to determine the frequency of each word.	For both speech- impaired and hearing- impaired people to see the weather forecast with a sign language	This system works only with a weather forecasting system.
4	Glove-based continuous Arabic Sign Language recognition in user-dependent mode	Tubaiz N, Shanableh T, Assaleh K	Modified K- Nearest Neighbours classifier.	Continuous Arabic sign language recognition (ArSL)	Sensor readings cannot be visually checked for manual labelling.
5	Intelligent mobile assistant for hearing impairers to interact with the society in Sinhala language",	Yasintha Perera, Nelunika Jayalath, Shenali Tissera, oshani Bandara, Samantha Thelijjagoda	Instant Messaging, Mobile Application, Voice recognition, Natural Language processing, Graphic Interchange Format Introduction	The significance is that it allows hearing- impaired individuals to communicate when they are long distance apart. This app will close the divide between hearing impaired people	The file Format is not compatible
6	Sign Language Recognition System Using Deep Neural Network", Advanced Computing & Communication Systems (ICACCS)	Surejya Suresh, Haridas T.P. Mithun, M.H. Supriya.	CNN structure and a summary of the planned construction. The planned construction was studied using 2 plans, the 1st of which use the Stochastic Gradient optimizer and the second of which used the Adam	The convolutional neural network was used to create a basic version of the sign recognition plan, which was successfully tested.	It is not user friendly