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(57) Abstract :
Sign language is the only tool of communication for the person who is not able to speak and hear anything. Sign language is a boon for the physically challenged people to express their thoughts and emotion. In this project – Speech to sign language conversion using deep learning, a novel scheme of sign language recognition from speech has been proposed in this system. With the help of computer vision and neural networks we can convert speech into sign language. Speech is taken as an input by a normal person using a microphone of a cellular phone or computer. For voice signal to be of good quality it will be sent for voice removal. With the help of a trained voice database, voice to text conversion takes place i.e., voice is converted into text-by-text recognition module. Meanings and symbols are found by comparing the database and converted text and then the sign symbols are displayed with text to hard hearing person.

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