LITERATURE SURVEY

Table 1: Literature Survey

Sl. No	Title	Author & Publications	Year	Description
1.	SIGN LANGUAGE RECOGNITION USING CNN	Dr. Thamaraiselvi, Challa Sai Hemanth, j Hruday Vikas & *International Research Journal of Engineering and Technology (IRJET)*.	2022	This research paper is focused on the recognition of American Sign Language using Convolutional Neural Network.

LITERATURE SURVEY(CONTD.)

Sl. No	Title	Author & Publications	Year	Description
2.	Design of a Communication System using Sign Language aid for Differently Abled Peoples	Shrikant Temburwar, Payal Jaiswal, Shital Mande, Souparnika Patil & *International Research Journal of Engineering and Technology (IRJET).*	2017	This research paper is focused on the design of a two-way communication system between the deaf and dumb and normal people.

LITERATURE SURVEY(CONTD.)

Sl. No	Title	Author & Publications	Year	Description
3.	SPEECH TO ISL (INDIAN SIGN LANGUAGE) TRANSLATOR	Kajal Jadhav,Shubham Gangdhar,Viraj Ghanekar & *International Research Journal of Engineering and Technology (IRJET).*	2021	This research paper is focused on converting speech into Indian Sign Language. The noise removal process is used in this project to improve output accuracy.

LITERATURE SURVEY(CONTD.)

Sl. No	Title	Author & Publications	Year	Description
4.	Sign Language Recognition Techniques: A survey	Omkar Govalkar, Pratik Gaikar, Pramod Gavali & *International Research Journal of Engineering and Technology (IRJET).*	2020	This research paper describes the various sign language recognition techniques in brief.

LITERATURE SURVEY(CONTD.)

Sl. No	Title	Author & Publications	Year	Description
5.	SIGN LANGUAGE RECOGNITION SYSTEM	M.HEMANTH, K.EDWARD IRUDAYA RAJ, M.ABUBAKKER SITHIK, M.JENITH RUBAN, G.MADHUSUDANAN & *International Research Journal of Engineering and Technology (IRJET).*	2020	This research paper overcomes the disadvantages of glove-based hand-sign recognition systems by detecting hand gestures with Raspberry Pi and a camera.

LITERATURE SURVEY(CONTD.)

Sl. No	Title	Author & Publications	Year	Description
6.	Real Time Sign Language Recognition Using Deep Learning	Sanket Bankar, Tushar Kadam, Vedant Korhale, Mrs. A. A. Kulkarni & *International Research Journal of Engineering and Technology (IRJET).*	2022	This research paper overcomes the latency of Convolutional Neural Network by using a new algorithm known as YOLO(You Only Look Once) to recognize the sign language.

LITERATURE SURVEY(CONTD.)

Sl. No	Title	Author & Publications	Year	Description
7.	Real-Time Recognition of Sign Language Using Machine Learning	Shubham Sawant, Ronak Sahay, Prathamesh Salunkhe, Prof. Roshan bauskar & *International Research Journal of Engineering and Technology (IRJET).*	2021	This research paper focuses on converting the 26 alphabets(A-Z) and nine digits(0-9) of sign language into text. The method used in this project provides 95.7% accuracy.

LITERATURE SURVEY(CONTD.)

Sl. No	Title	Author & Publications	Year	Description
8.	Sign Language Interpreter	Mr. R. Augustian Issac, S. Sri Gayathri & *International Research Journal of Engineering and Technology (IRJET).*	2018	This research paper is focused on making communication through internet easier for deaf and mute communities by utilizing Human Computer Interaction and Artificial Neural Networks.

LITERATURE SURVEY(CONTD.)

Sl. No	Title	Author & Publications	Year	Description
9.	Sign Language Recognition For Deaf and Mute	Dr.M.P. Chitra, Vaishnavi Devi. R, Shalini M, Sriee Sathana. L.B & *International Research Journal of Engineering and Technology (IRJET).*	2021	This research paper is focused on the use of Convolutional Neural Network to recognize sign language. It also emphasized gesture-controlled robots and home automation.

LITERATURE SURVEY(CONTD.)

Sl. No	Title	Author & Publications	Year	Description
10.	SIGN LANGUAGE RECOGNITION USING NEURAL NETWORK	Shailesh bachani, Shubham dixit, Rohin chadha, Prof. Avinash Bagul & *International Research Journal of Engineering and Technology (IRJET).*	2020	This research paper is focused on sign language recognition using Convolutional Neural Network and Natural Language Processing. In this project, the sign language is converted into speech as well as text.

LITERATURE SURVEY(CONTD.)

Sl. No	Title	Author & Publications	Year	Description
11.	SIGN LANGUAGE DETECTION	Pavitra Kadiyala & *International Research Journal of Engineering and Technology (IRJET).*	2021	This research paper is focused on the detection of sign language using Convolutional Neural Network. The pre-trained model of the project is integrated with the web application.

LITERATURE SURVEY(CONTD.)

Sl. No	Title	Author & Publications	Year	Description
12.	Sign Language Detection using Image Processing and Deep Learning	Teena Varma, Ricketa Baptista, Daksha Chithirai Pandi, Ryland Coutinho & *International Research Journal of Engineering and Technology (IRJET).*	2020	This research paper is focused on converting the 26 alphabets(A-Z) and nine digits(0-9) of American Sign Language into text using Convolutional Neural Network. Canny Edge Detection is used to improve the output accuracy and reduce the required processing power.

LITERATURE SURVEY(CONTD.)

Sl. No	Title	Author & Publications	Year	Description
13.	Sign language Recognition Using Machine Learning Algorithm	Prof. Radha S. Shirbhate, Mr. Vedant D. Shinde, Ms. Sanam A. Metkari, Ms. Pooja U. Borkar, Ms. Mayuri A. Khandge & *International Research Journal of Engineering and Technology (IRJET).*	2020	This research paper is focused on the recognition of sign language using Artificial Neural Network. Support Vector Machine is used in this project for image classification.