**Project Title :**

**Sign language recognition using Machine learning and accuracy analysis**

Problem Statement

To Identify different algorithms and their accuracies in Identifying the signs and gestures in Indian sign language and convert them into English.

Abstract

There are many people around the globe Who are unable to hear/speak. The communication between these people is therefore carried out using a special language called Sign Language which is a combination of hand movements and body gestures and face expressions. While there is no problem among them to communicate smoothly using this language the problem comes when they try to communicate with people who do not know sign language. There are different sign languages across the world for example American sign language, British sign language, Indian sign language etc. We suggest a solution to this problem using ML based translator that can identify Indian sign language and translate to English and Vice versa.

G Kiran Kumar (318126510139)

M Sumanth (318126510155)

E V M Prateek (318126510138) Project guide signature

Shaik R Mahammad Azharuddin (318126510174)

Laxmi Sai Charan Reddi (317126510106) Project Coordinator signature