

## Sign Language Recognition (Abstract)

Most of the sign language recognition by computer have at least some limitations such as; dependent on laboratory conditions for sign prediction and rely on 2D modelling and therefore achieve limited success.

In the project, this model aims to be able to classify various hand gestures used for fingerspelling in sign language.

In the model I will be using classification machine learning algorithm which are trained using a set of image dataset which is created from scratch.

Further classification Machine Learning algorithm will be used and applied on the dataset.

Finally, the model will be seen in a separate window that will recognize sign language form the images captured as real time and detect them from the user's web camera or front camera.