ABSTRACT

TITLE:

"Prototype for Sign Language Recognition and Conversion into Text Format for Deaf and Mute Individuals"

PROBLEM STATEMENT:

Communication between normal people and people with vocal and hearing troubles is a difficult task. The sign language used by these people is not understandable by the common people, so it creates a communication barrier. For such people we have proposed implementation of IoT based Smart assistance gloves for disabled people.

MOTIVATION BEHIND THIS PROJECT:

The communication barrier between normal people and people with vocal and hearing troubles can be overcome very efficiently and also, to make it user friendly the project is done in a way that it is portable.

PROPOSED SYSTEM:

The proposed system will utilize computer vision techniques and machine learning to recognize signs made by a user wearing a wearable device equipped with sensors. The recognized signs will then be converted into text format and displayed on a screen. This technology has the potential to facilitate better communication and inclusivity for sign language users.

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