DAYANANDA SAGAR COLLEGE OF ENGINEERING, BENGALURU

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

LET US TALK THROUGH GESTURE VOCALIZER

BATCH 56

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SALIENT FEATURES

- Sign language is the only way to communicate between a normal person and a deaf /mute person, but most of people cannot understand sign language.
- During emergencies, conveying their message is a very difficult task, Hence there is a need to develop a device that can interpret hand gestures.
- So we proposed an idea to develop a gesture recognition system using copper sheets and an accelerometer sensor to remove the communication barrier between normal people and deaf-mute people.

HIGHLIGHTS

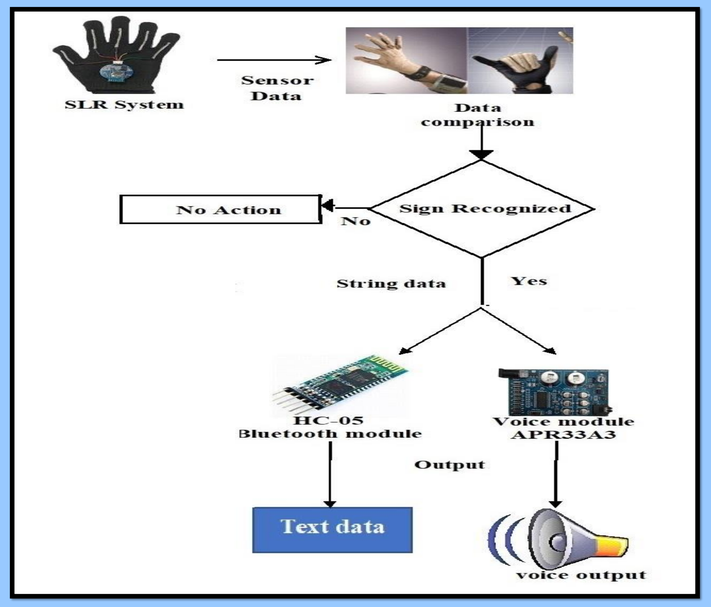
In near future, we can reduce the size of our device by removing voice module and give the audio output through mobile application .It does not only help us in portability but also gives us a freedom to take different combination of input.

APPLICATIONS

- The proposed idea acts as a translator which helps in establishing communication between the deaf/mute and the general public.
- The sensory glove could be utilized as a teaching tool to increase Deaf student's educational interest and support.
- It improves the lives of elderly people by providing them with a more detailed and flexible method for interacting with the help of electronic glove features.
- It can be used to develop aid devices that enable people with disabilities to improve their daily livelihood.

PROBLEM STATEMENT

SYSTEM ARCHITECTURE



PROPOSED SOLUTION