

Gesture Based Communication Device for Speech and Text Conversion

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Abstract: *The message displayed will also help deaf people to understand their thoughts. This Sign language and facial expressions are the major means of communication for the speech flawed people. General people can understand the facial expression to an extent but cannot understand the sign language. Dumb people are unable to express their thoughts to normal humans. To reduce this gap of communication, this paper presents an electronic system which will help the mute people to exchange their ideas with the normal person in emergency situations. The system consists of a glove that can be worn by the subject which will convert the hand ges-tures to speech and prototype involves arduino as the micro-controller along with the groscopesenser.*

Keywords: Gyroscope sensor, Esp 12 E, DF Player, Arduino UNO, lcd.

