TALKING FINGERS

QR CODE TO Your Product Website/Presentation/Video

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Business:

* Market Research

We have visited several deaf and dumb schools and talked to professional interpreters.

* Cost & Revenue

TOTAL COST OF ONE UNIT ***:2355***

SALE PRICE(5%PROFIT) ***:2478***

* Sales & Marketing

1. Direct selling

2. Selling through intermediaries

Contributors:

Pradeep reddy sir,ece department,GRIET helped us in the initial stages of development and gives us advices on how to proceed

Mr.sandeep ,mentor at jntu , helped us with the market research and coding of the product.

Technology:

*The talking fingers project can be done using MPU6050 accelerometer sensor, to create and record a gesture used in the sign language .The recorded gestures can be input into a algorithm to recognize a new gesture and compare it with already stored gestures. This new gesture will be given an audio,*

Customer Stories:

The customers talked about the ways in which the glove could help them overcome their social awkwardness

Progress:

* Week1:figured out the way to use 3 sensors
* Week2:worked on increasing the efficiency of algorithms
* Week3:market research
* Week4:worked on increasing the dataset and testing the product
* Week5:worked on different ways to miniaturize

Initial Prototype:

A glove with raspberry pi 3b+ , one accelerometer sensor and a speaker .

Problem: Speech impaired face difficulties in communication,

Product: A glove which converts gestures to audio output