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INDIAN SIGN LANGUAGE TRANSLATOR

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Problem Statement

According to WHO (2018) data, the prevalence of hearing impairment (HI) in India is around 6.3% (63 million people suffering from significant auditory loss). The estimated prevalence of adult-onset deafness in India is 7.6% and childhood-onset deafness is 2%. Resulting in communication problem with everyone, as not everyone knows the Indian sign language.

They may hear your voice, but still may have difficulty understanding some words. Most hearing-impaired people have greater difficulty understanding speech when there is background noise. The best way to communicate with them is through the sign language.



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Available Solutions



01

Master Sign Language

10K+ Downloads
3.6/5 Rating



02

Indian Sign
Language Translator

1K+ Downloads
3/5 Rating



03

Sign language
ASL

100K+ Downloads
3.8/5 Rating



04

Spread Signs

200K+ Downloads
4/5 Rating

PROPOSED SOLUTION

- **Our App focuses on ISL (Indian Sign Language) whereas most apps that you see around are only offering English to Sign Language translation.**
- **Our App will have regional Indian languages like Hindi, Marathi, Bengali, etc which are spoken widely around the country.**
- **Other apps are only for learning Sign Language but our app primarily focusses on easing communication with the disabled ones.**



App	Voice command	GIF Visualization	Multi platform support	Multi language support	ISI support
Our app	yes	yes	yes	yes	yes
Master sign lang	no	no	no	no	no
Indian sign lang translator	no	no	no	no	yes
Sign lang asl	no	yes	no	no	no
Spreads signs	no	no	no	no	no

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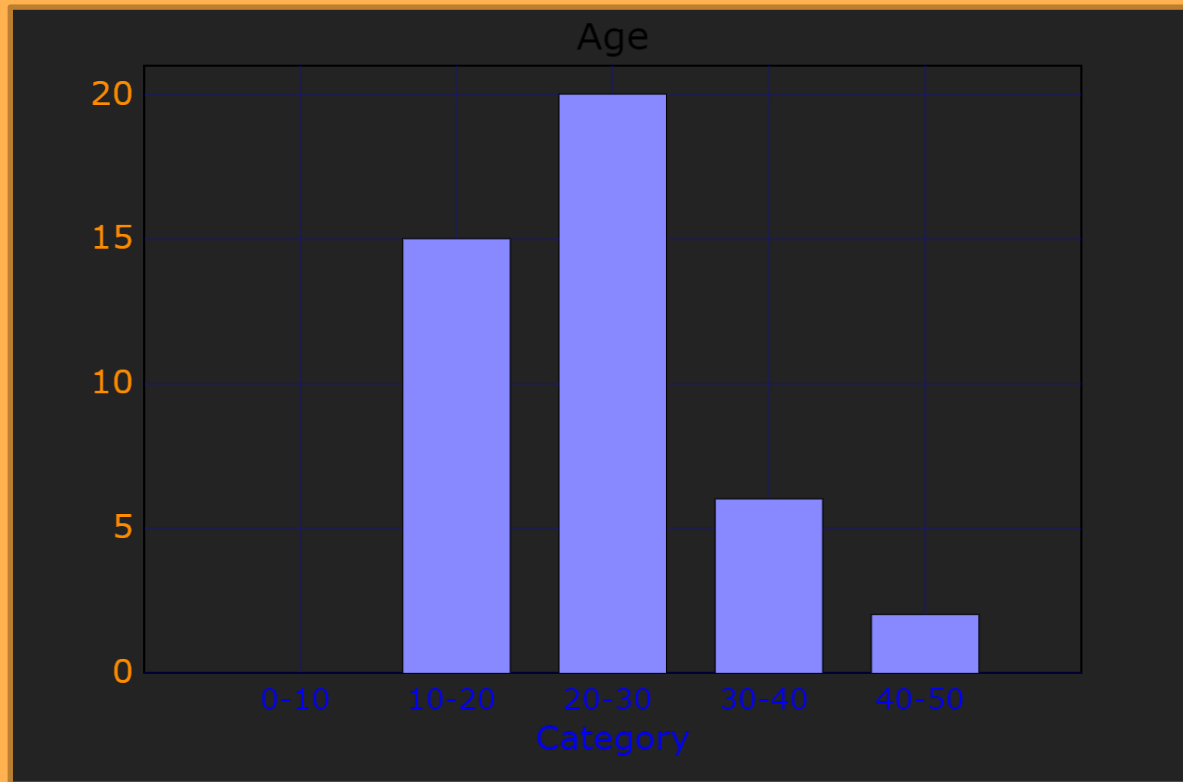
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TARGET AUDIENCE

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- 63 million people (6.3%) suffer from significant auditory loss/mute.
- Four in every 1000 children suffer from severe to profound hearing loss.
- With **over 100,000 babies** that are born with hearing deficiency every year.

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TECHONLOGY USED

Python

01

Python is an interpreted high-level general-purpose programming language.



NLP

02

Natural Language Processing, is a branch of AI that deals with the interaction between computers and humans



EasyGui

03

Module for very simple, very easy GUI programming in Python.



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FINANCIAL FEASIBILITY

SUBSCRIPTION

Subscription is when developers charge users a recurring fee to use the app.

In-app advertising

App publishers earn money based on the interactions on the advertisements displayed within the application.

Mixed Monetization

Mixed monetization strategy is to ask users to pay to remove ads. This is good as an alt to a paid app.

Affiliate links

You negotiate with a few interested parties and place their reference links in your application.

Advertising

. Advertising is commonly used by apps that offer content to users for free.

Sponsorship for app

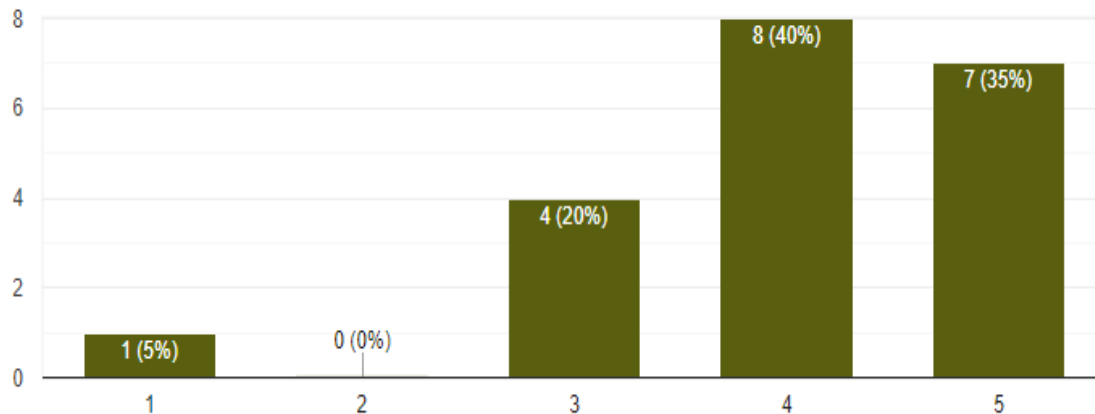
. Link up with a company that stands to benefit most from the target market you'll be capturing.

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How likely are you to use this app?

How likely are you to use this app?

20 responses

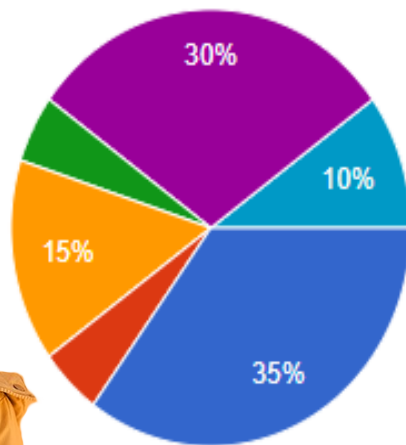


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What Features do you find most useful in this app?

What features do you find most useful in this app ?

20 responses



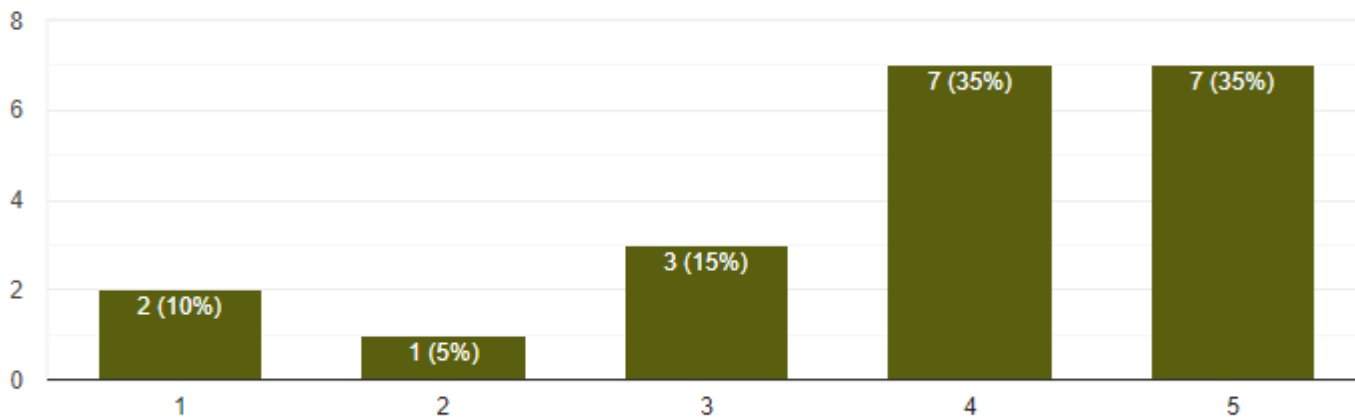
- Able to communicate with hearing aid people
- Learning Sign Language
- Voice Search
- Predefined Words
- Indian Sign Language
- GIF Visualization



How likely would you like to recommend it to others?

How likely would you like to recommend this app to others ?

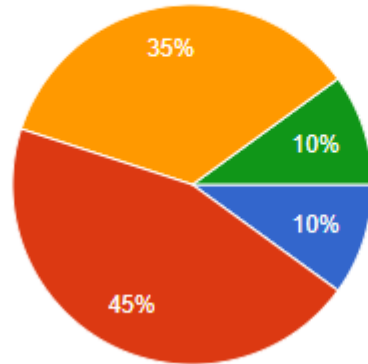
20 responses



What difficulties do you face while talking to deaf/disabled person ?

What difficulty do you face while talking to a mute person?

20 responses



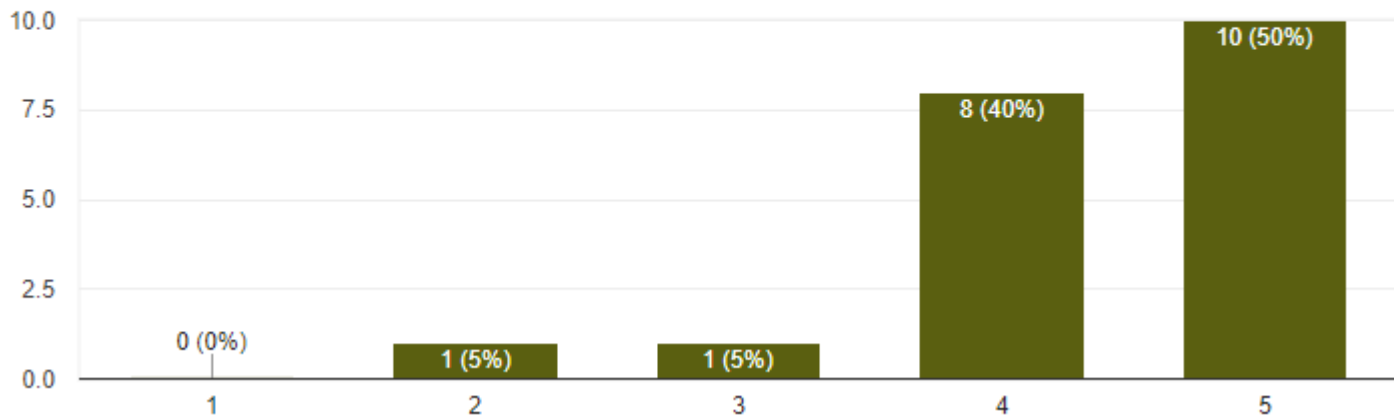
- Understanding their Sign Language
- Conveying messages through Sign Language
- Convey message through Sign Language
- Understand their Sign Language

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Do you think this application can help you communicate better with a disabled/deaf person??

Do you think this app will help you communicate better with disabled/Deaf person?

20 responses



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REFERENCES

- Indian Journal Of Otology
- Disabled Population in India
- India's disability estimates: Limitations and way forward
- A Survey on Communication Gap Communication Gap between between Hearing and Speech Impaired Speech and Normal Persons

THANKS!!

Does anyone have any questions?

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