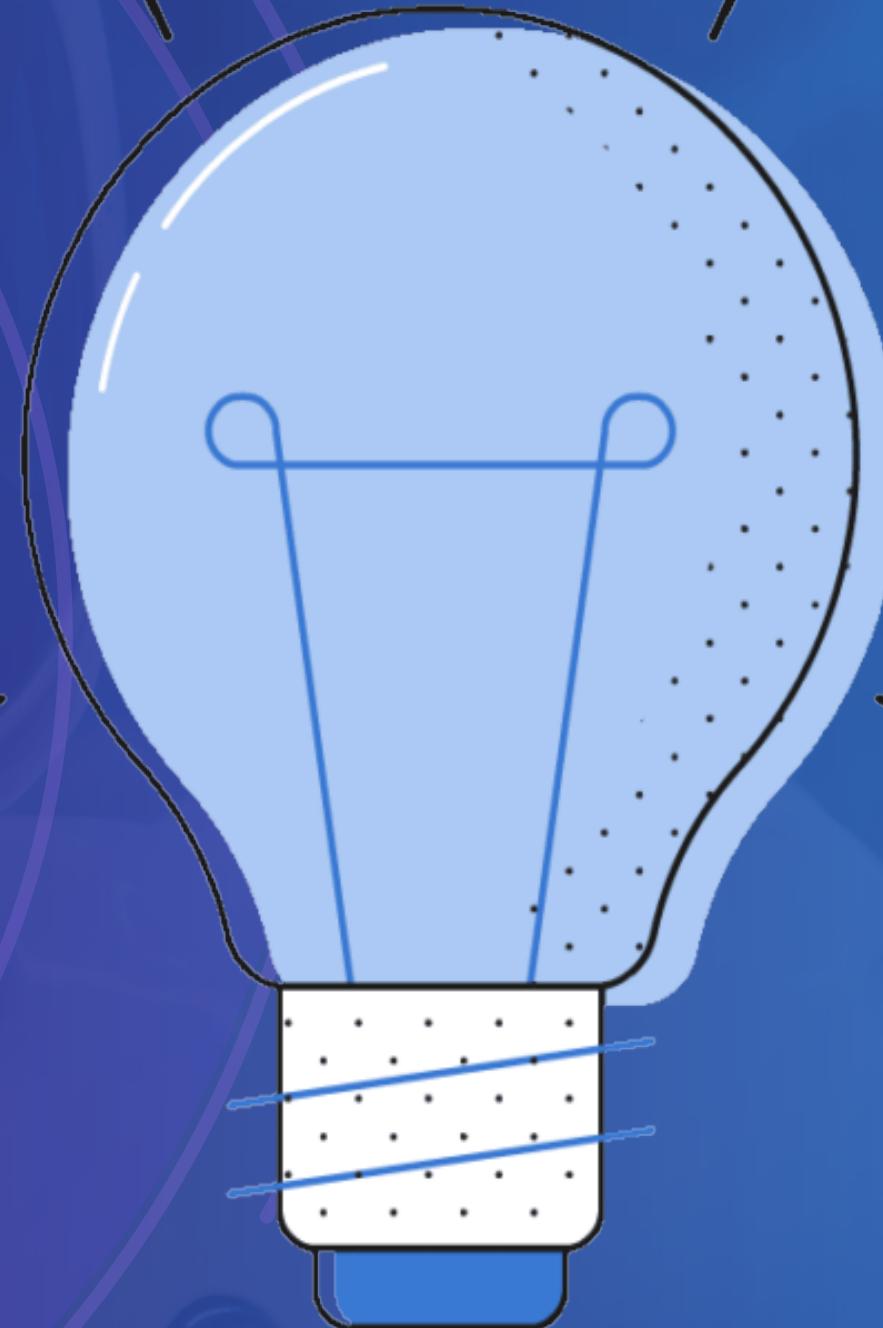


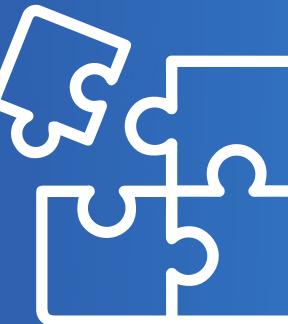
Human Computer Interaction Project

"VISION BASED
ASSISTANCE"





Problem Statement



HELLO



GOODBYE



PLEASE



THANK YOU



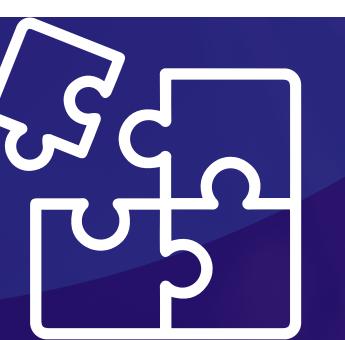
YES



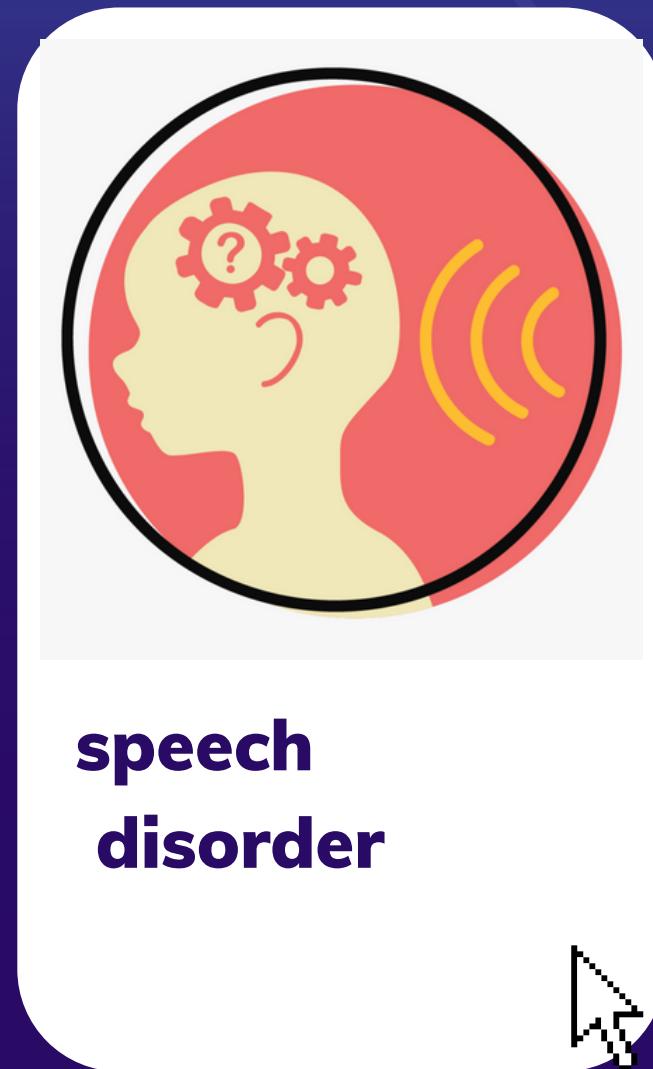
NO

What are the basic needs of user groups which is used to essential needs to take assistance through Computer Vision.

like Sign Language is a form of communication used primarily by people who are hard of hearing or deaf. This gesture-based language allows users to convey ideas and thoughts easily. By addressing these needs, we can overcome the barriers caused by difficulties from hearing issues.



User Groups



UNIQUE PERSPECTIVE



- It can be customized.
- Our application will be based on user feedback.
- User friendly application.
- It can be used by multiple User groups.

04 Proposed System



ASL
Dictionary

01

Related Work

03

02

Lingvano

The ASL app

Evaluation Plan

STUDY DESIGN

- We'll take feedback from our user groups on design and their basic need.
- Research about their Basic Need.
- We'll will built a prototype app based on the feedback.
- We'll test the app with our user groups.

Evaluation Plan

MEASURES

- We'll analyse the feedback we'll get from the users after testing.
- We'll provide the users with a metric, where they can rate our product from 1-5 range.
- Apart from feedback we'll also observe user interaction with the product.

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Evaluation Plan

ECOLOGICAL VALIDITY



That's how our study answers our research
question

Recruitment Plan

- Our aim is to create a sample size of 20 people.
- For elderly user group we'll take 2 family members from our family each
- For disabled and individuals with speech disorder we'll collaborate with organization and NGO's.
- For patients we'll either collaborate with a hospital or someone we know.

Thank you!!