Define your problem statement

What problem are you trying to solve? Frame your problem as a How Might We statement. This will be the focus of your brainstorm.



REAL - TIME COMMUNICATION SYSTEM POWERED BY AI FOR SPECIALLY ABLED

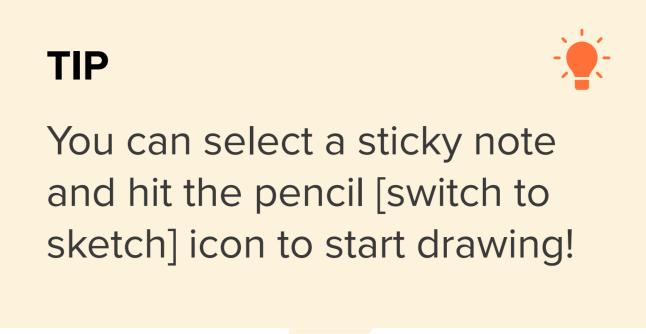
The main purpose of this research is to enhance the communication of the disabled community. The authors of this chapter propose an enhanced interpersonalhuman interaction for people with special needs, especially those with physical and communication automated real time behaviour monitoring, designed and implemented with the ubiquitous and affordable concept in mind to suit the underprivileged. In this chapter, the authors present the prototype which encapsulates an automated facial expression recognition system for monitoring the disabled, equipped with a feature to send Short Messaging System (SMS) for notification purposes. The authors adapted the Viola-Jones face detection algorithm at the face detection stage and implemented template matching technique for the expression classification and recognition stage. They tested their model with a few users and achieved satisfactory results



Brainstorm

Write down any ideas that come to mind that address your problem statement.

① 10 minutes

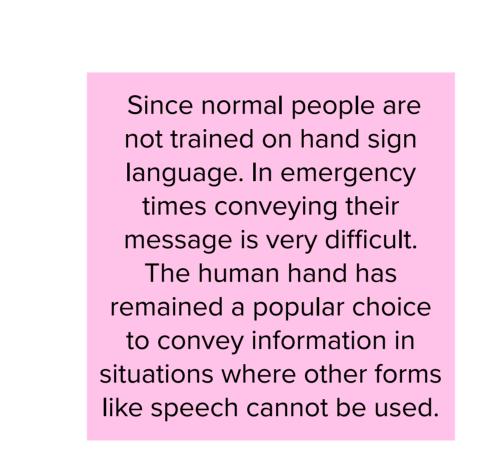


MONISHA M

n our society, we have people with disabilities. The technology is developing day by day but no significant developments are undertaken for the betterment of these people.

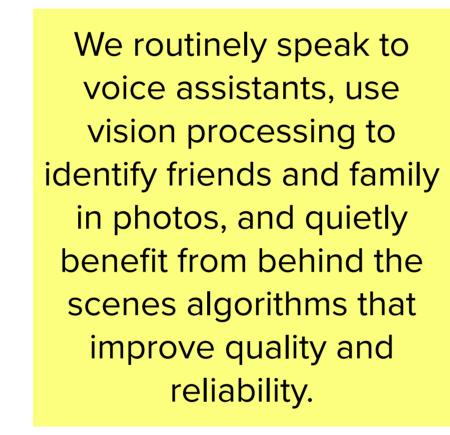
a normal person has always been a challenging task. It is very difficult for mute people to convey their

Voice Conversion
System with Hand
Gesture Recognition and
translation will be very
useful to have a proper
conversation between a
normal person and an
impaired person in any
language.



RAKSHANA M

forms like speech



NANDHINI F We are making use of a convolution neural model.

develop a system that
converts the sign
language into a human
hearing voice in the
desired language to
convey a message to
normal people,

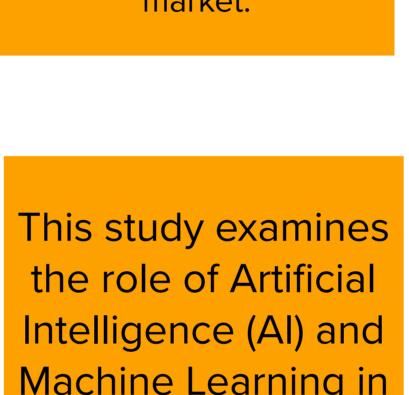
s well as convert sign language

This app enables deaf

which get converted to human-understandable language and speech is given as output.

SATHYAVANI L.R





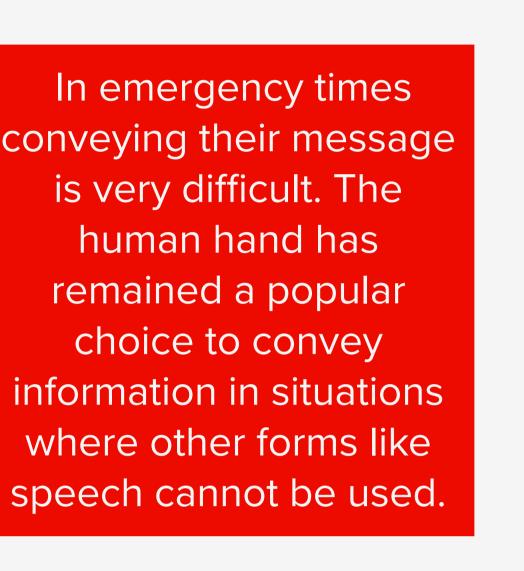


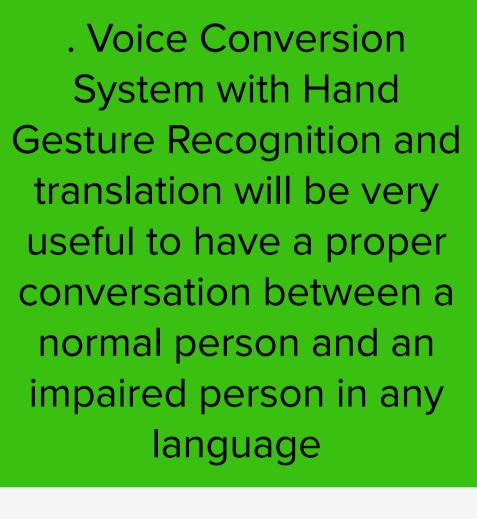
Take turns sharing your ideas while clustering similar or related notes as you go. Once all sticky notes have been grouped, give each cluster a sentence-like label. If a cluster is bigger than six sticky notes, try and see if you and break it up into smaller sub-groups.

① 20 minutes

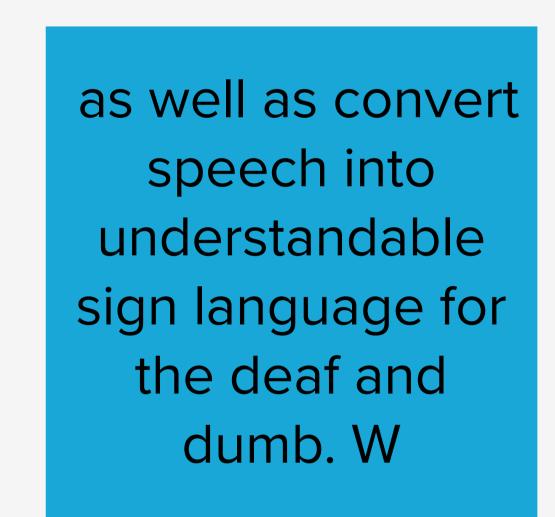
Group ideas

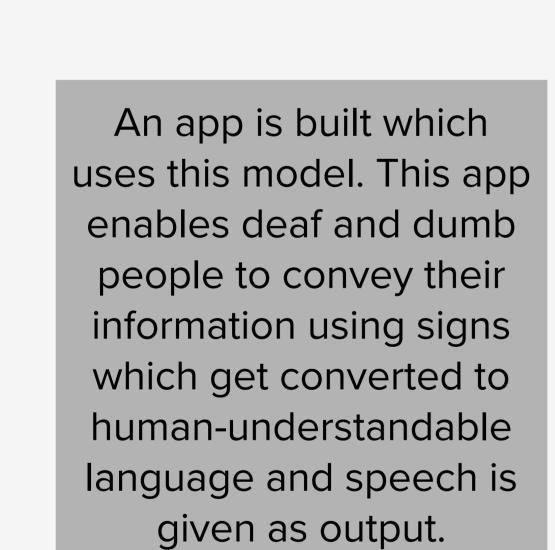
mute and a normal person has always been a challenging task



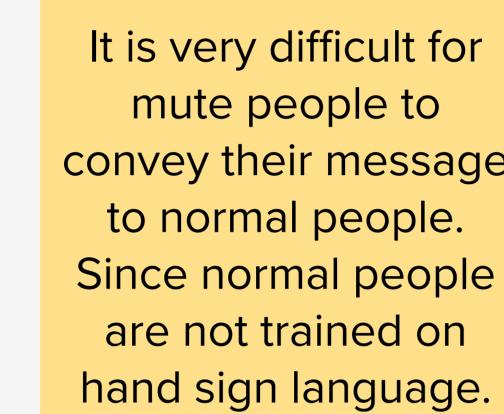


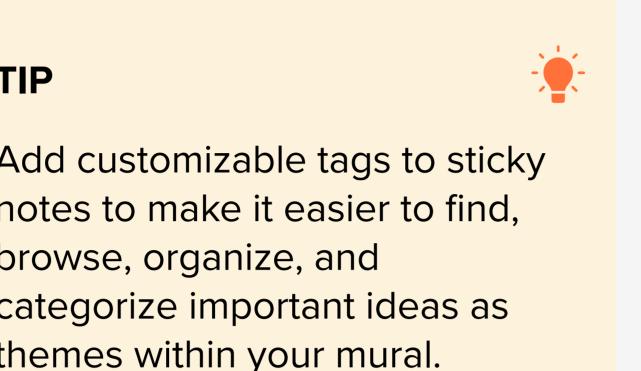


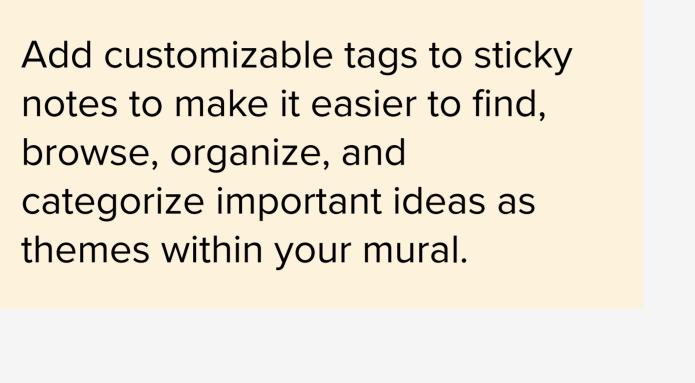




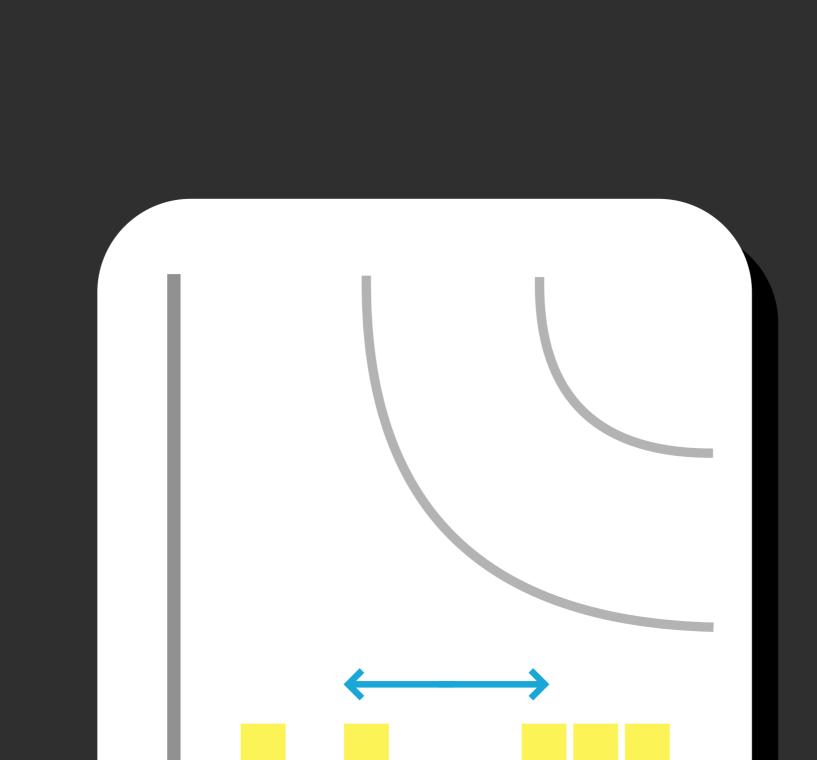
Add customizable tags to sticky notes to make it easier to find, browse, organize, and themes within your mural.

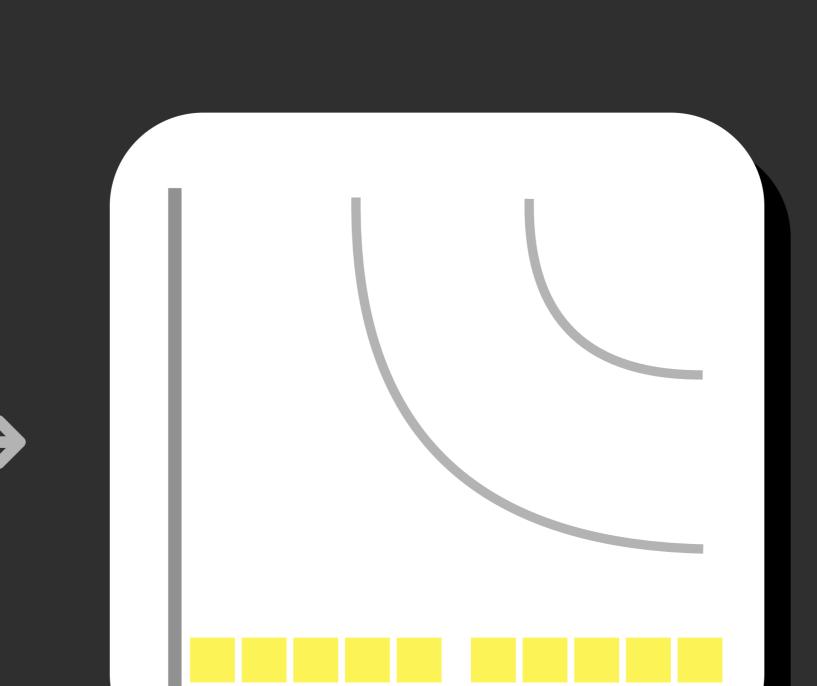


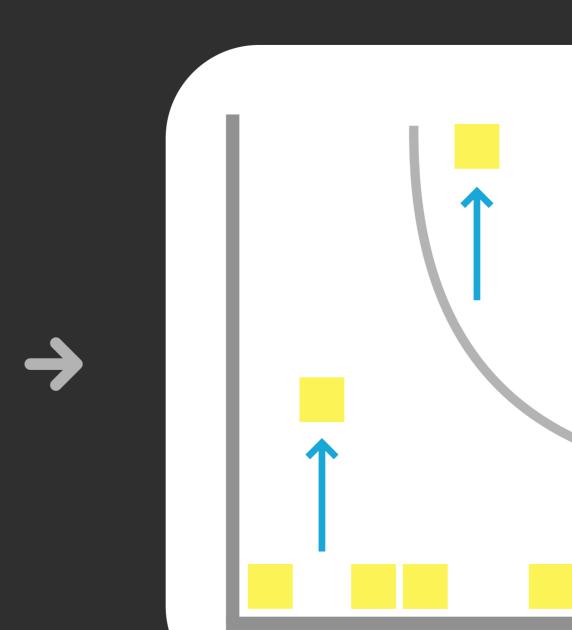


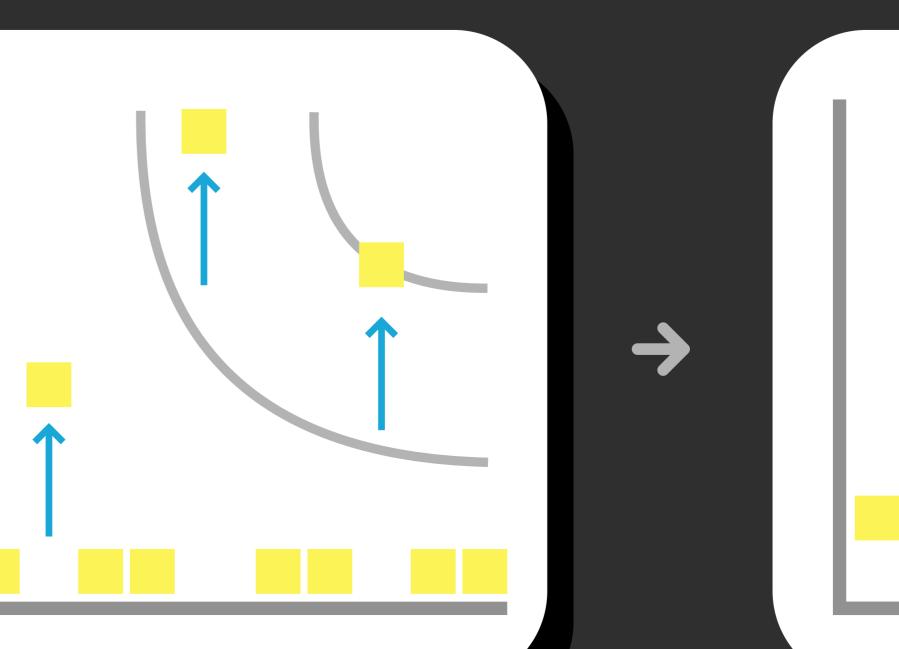


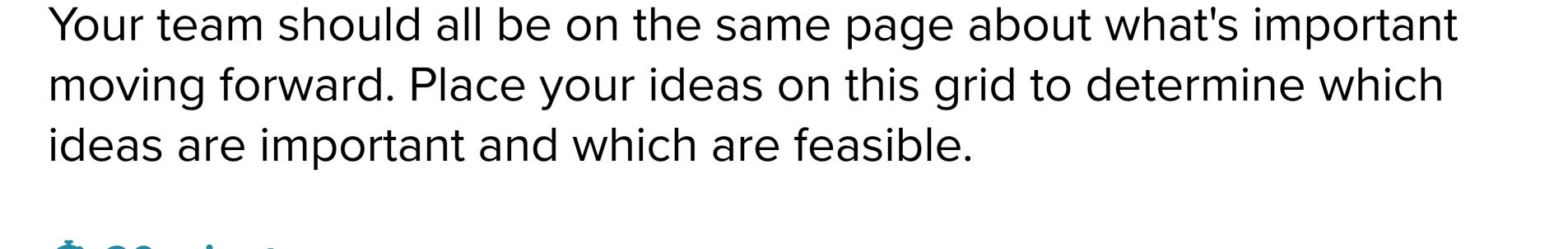
It is very difficult for











20 minutes

Importance

If each of these

tasks could get

done without any

difficulty or cost,

which would have

the most positive

Prioritize



