Bannari Amman Institute Of Technology, Erode

Department of Information Technology

IBM NALAIYA THIRAN

EMPATHY MAP

TITLE   : Real-Time Communication System Powered by AI for Specially abled

TECHNOLOGY   : Artificial Intelligence

DOMAIN NAME   : Healthcare (HC)

LEADER NAME   : Vimal

TEAM MEMBER NAME   : Gurusabarishkumar
                                      Guruprakash
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MENTOR NAME   : Venkatesan R

PROBLEM STATEMENT

In 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. Communications between deaf-mute and a normal person has always been a challenging task. It is very difficult for mute people to convey their message to normal people. Since normal people are not trained on hand sign language. In emergency times conveying their message is very difficult. The human hand has remained a popular choice to convey information in situations where other forms like speech cannot be used. 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. The project aims to develop a system that converts the sign language into a human hearing voice in the desired language to convey a message to normal people, as well as convert speech into understandable sign language for the deaf and dumb.

EMPATHY MAP

SAYS

What do you think

Can, I bought this

I want suitable one

How I can communicate

If it is possible

THINKS

How can I communicate

It is possible to communicate

What is best for me

Can, I communicate

It is not best for me

Specially-abled person who are unable to communicate are users

DOES

Checks the website

Lists pros/cons

Ask friends

Compares products

Observe in store

Ask doctors about product

FEELS

Fear

Curious

Happy

Confusion

Trust or untrust