Specially-Abled people i.e., dumbers who wants to communicate with other normal human beings

6. CUSTOMER CONSTRAINTS

The mode of Communication varies i.e., there will be a language barrier between the people and the overload of irrelevance may also occur.

5. AVAILABLE SOLUTIONS

(i). Pros: Communication by using Sign language/ hand gestures.

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Cons: Misinterpretation during conversation.

(ii). Pros: Written Communication.

Cons: We may not familiar with the language.

(ii). Pros: Communication by using Lip movements.

Cons: Unable to understand due to lack of practice.

Explore AS, differentiate

BE

2. JOBS-TO-BE-DONE / PROBLEMS

Firstly, we cannot understand what the specially-abled are trying to tell us since not all of us have studied the sign language, Secondly, If the people who know the sign language try to communicate with mute people, they might not always understand, it is going to be difficult to comprehend and this application makes two-way communication much easier and effective since the application does the job for us.

9. PROBLEM ROOT CAUSE

J&P

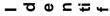
The root cause is that communication wasn't easy between normal people and the specially-abled since most normal people don't know Sign Language. Also, another reason could be attributed to less awareness about specially-abled people.

7. BEHAVIOUR

RC

People usually tend to hire a human translator or use a written form of communication to talk with specially-abled mute people.

tap into BE,



3. TRIGGERS



When we want to communicate emergency information, when they need help like in working area etc. then it will be really difficult, by that time we can use this application.

4. EMOTIONS: BEFORE / AFTER



Without any proper communicating devices specially-abled person will feel really bad but with the help of the device they can communicate without any barrier.

10. YOUR SOLUTION



We are going to design a web application in which we can interact, communicate with specially-abled person. We are making use of a convolution neural network to create a model that is trained on different hand gestures. An app is built which uses this model. This app enables mute people to convey their information using signs which get converted to English language and speech is given as output.

8. CHANNELS of BEHAVIOUR



8 1 ONLINE

Learning how to interact with the specially-abled people by watching online courses on sign language.

8.2 OFFLINE

Having some guide or assistant so that we can easily interact with people and also by reading the sign language normal people can also understand specially-Abled person.