1. CUSTOMER SEGMENT(S)

- Specially-abled people Teachers
- Family Colleágues
- Friends

6. CUSTOMER CONSTRAINTS

Network issues. Limited choice of sign

language. Users should be technologically sound.

5. AVAILABLE SOLUTIONS

Learning sign language. Interpretation using Hardware components like

smart gloves and finger-caps. Assistive technologies

(applications).
ASL based sign interpreters.
Cochlear implants
Teletypewriters(TTY),
Telecommunications Device
for the Deaf(TDD) and Text
Telephones(TT).

2. JOBS-TO-BE-DONE / **PROBLEMS**

- There is a need to develop a system to convert sign language to speech and vice versa.
- There should be an application to convey the information.

9. PROBLEM ROOT CAUSE



- Everyone does not know the sign language.
- Inability to communicate normally and effectively.
- Improper interpretation.

application which helps the specially

challenged people to communicate between

them and the common people. This

application tries to reduce the barrier of

communication by developing an assistive

application for specially challenged people.

7. BEHAVIOUR



Explore AS, differentiate

AS

- Text usage to convey information.
- Use of understandable signs.
- Lip reading.

3. TRIGGERS

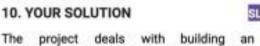


EM

J&P

- Seeing people being bullied and isolated. Inability to convey their thoughts during
- emergencies. Frustration upon missing opportunities.
- Wish to lead a normal life.

10. YOUR SOLUTION



8. CHANNELS of BEHAVIOR



ONLINE Video calls for distant communication involving either sign language or lip reading.

OFFLINE

Dependent on a person for communication assistance.

4. EMOTIONS: BEFORE / AFTER

Before

- Socially secluded
- Dependent Hurt

After

- Feel equal
- Confident
- Relieved