Project Design Phase – I Problem –Solution Fit

Date	16.10.2022
Team ID	091e02b
Project Name	Real-Time Communication System Powered by AI for Specially Abled
Maximum Marks	2 Marks

1. <u>CUSTOMER SEGMENT</u>	6.CUSTOMER CONDTRAINTS	5.AVAILABLE SOLUTIONS
Who is your customer? Deaf people who eager to learn. Dumb (Mute) people who wants to expression their thought. Parents of deafmute kids. Children of disabled parents.	What constrains prevent your customers from taking action or limit their choices of solution? Network issues may delay to access the feature Improper sign language will lead the people to misunderstood.	Which solution are available to the customer when they face the problem or need to get the job done? What pro & cons do these solution have? Sign to alphabet conversation Word conversation in multilanguage. Train common word and phrases Pros: Convert the sign into voice with emotion Cons: During sign to text conversation there may be an error. There may be chance of misunderstanding word in voice to text conversation.
2. JOBS-TO- BE DONE/PROBLEMS	9. PROBLEM ROOT CAUSE What is the real reason that this problem exists?	What does your customer do to address

hich jobs-to-bedone o you address or your customers?

No need of the translator for communication between deafmute people and normal people.

Reduce the time to express their thoughts.

Reduce cost used for translator.

What is back story behind the need to do this job?

Deaf-mute is a birth disorder.

Sometimes it occurs due to aging factor and accidents.

Normal people are not so patient to understand deafmute people thoughts.

the problem and get the job done?

Taking the hand gesture image with good quality and uploading it for conversion.

Make use of text to voice conversion option while communicating with others.

3.TRIGGERS

What triggers customers to act?

Customer doesn't need human translator to communicate with normal people.

Instant result for the conversion of sign language to human understandable language.

Interactive sessions.

10. YOUR SOLUTION

f you are working on an xisting business write down your current olution first fill in the anvas and check how much it fits reality

Accurate conversio will be available Interactive and user friendly solution to make it accessible Elimination of human error and fast functionality Provide common signs, including tho for letters, numbers and everyday words and phrases.

8. <u>CHANNEL OI</u> BEHAVIOR

8.1 ONLINE

What kind of actions do ustomers take online?

- Accessing required conversions using application.
- Uploading the imag e of hand sign.
- Quick access of Al based algorithm.

8.2 OFFLINE

. EMOTIONS:

BEFORE/AFTER

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