

Ideation Phase

Define the Problem Statements

Date	1 October 2022
Team ID	PNT2022TMID02070
Project Name	Real-Time Communication System Powered by AI for Specially Abled
Maximum Marks	2 Marks

Customer Problem Statement:

To address the challenges faced by deaf-mute persons in their daily life so they can interact with Normal people feel hopeful. Converting sign language into human hearing speech and vice versa Using Convolutional Neural Network in the desired language. Deploying our solution to provide a Faster response in the desired language.

I am	Describe customer with 3-4 key characteristics - who are they?	The customers who is specially abled people because I can't speak and I can't hear.
I'm trying to	List their outcome or "job" the care about - what are they trying to achieve?	Convert sign language to the voice heard by normal people & also speech convert to sign language for deaf and mute people
but	Describe what problems or barriers stand in the way - what bothers them most?	When they want to communicate their thoughts or an emergency or immediate message to normal people.
because	Enter the "root cause" of why the problem or barrier exists - what needs to be solved?	Till now there was no application to convert their speech to sign language accurately for people to understand.
which makes me feel	Describe the emotions from the customer's point of view - how does it impact them emotionally?	Very sad and sometimes depressed because of not able to communicate with people.

Reference: <https://miro.com/templates/customer-problem-statement/>

Example:

I am	I'm trying to	But	Because	Which makes me feel
specially abled person	communicate with normal people easily and to be normal	normal people does not understand what I communicate	many people don't know the sign language in the world	sad & depressed

Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1	Specially abled Person who is speech impaired	Communicate with normal people and make them to understand my sign language	I cannot communicate to them what I think.	Normal people don't understand sign language.	Sad and depressed .
PS-2	Deaf person	Understand what others speak .	I cannot hear what others speaking.	I have hearing impairment.	Not to be like a normal person.