

Project Design Phase-I

Problem – Solution Fit Template

Date	19 September 2022
Team ID	PNT2022TMID10881
Project Name	Project – Real-Time Communication System Powered by AI for Specially Abled
Maximum Marks	2 Marks

Problem – Solution Fit Template:

The Problem-Solution Fit simply means that you have found a problem with your customer and that the solution you have realized for it actually solves the customer's problem. It helps entrepreneurs, marketers and corporate innovators identify behavioral patterns and recognize what would work and why

Purpose:

- ☐ Solve complex problems in a way that fits the state of your customers.
- ☐ Succeed faster and increase your solution adoption by tapping into existing mediums and channels of behavior.
- ☐ Sharpen your communication and marketing strategy with the right triggers and messaging.
- ☐ Increase touch-points with your company by finding the right problem-behavior fit and building trust by solving frequent annoyances, or urgent or costly problems.
- ☐ **Understand the existing situation in order to improve it for your target group.**

Template:

Problem-Solution fit canvas 2.0		Purpose / Vision	
Define CS, fit into CC	1. CUSTOMER SEGMENT(S) CS Who is your customer ? . Our customers are specially abled people who are struggling to communicate with normal people	6. CUSTOMER CONSTRAINTS CC The customer must be aware of the sign language and it is necessary to show proper signs so that the application can able to convert it to human language.	5. AVAILABLE SOLUTIONS AS The available solutions are there are various separate applications for both sign language and human language.
	Explore AS, differentiate		
Focus on J&P, tap into BE, understand RC	2. JOBS-TO-BE-DONE / PROBLEMS J&P The main job that to be done is to convert the sign language to human language and vice versa.	9. PROBLEM ROOT CAUSE RC Proper network should be available to run this application and proper sign language must be given as input by the customer in a proper way.	7. BEHAVIOUR BE The AI works when the sign language is given 1 as input it processes it and convert it into human language and vice versa.
	Focus on J&P, tap into BE, understand RC		
Identify strong TR & EM	3. TRIGGERS TR For example : A customer needs to convey his/her message to other people but he knows only sign language but the normal people are not aware of it. At that time using our application he/she can easily converts sign language to human language to make the conversation more comfortable.	10. YOUR SOLUTION SL Our solution is to convert the sign language to human language and vice versa in one application simultaneously. So that it is easy to make communications easier between these kinds of people.	8. CHANNELS OF BEHAVIOUR CH 8.1 ONLINE By using this application online the result of the inputs are processed earlier by the application and also it saves the time. He/She can able to convert sign-language to any type of language.
	4. EMOTIONS: BEFORE / AFTER EM The customers would feel better after using our application, and they are open up in bringing their ideas to everyone around them.		8.2 OFFLINE The features available in offline is that they can convert the sign-language to human language under a particular location world wide access is not available in this mode.
Extract online & offline CH of BE			