

Project Design Phase-I - Solution Fit Template Project

Title: Real-Time Communication System Powered by AI for Specially Abled Team ID: PNT2022TMID03512

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|---------------------------|---|---|---|-------------------------------------|
| Define CS, fit in | 1. CUSTOMER SEGMENT(S) The target customers are the people who have problem in communicating with others CS | 6. CUSTOMER CONSTRAINTS CC Initially they could face issues in availability of the models as well as the cost could be an issue which can be solved after industries pick up the model and make it available | 5. AVAILABLE SOLUTIONS AS The available solution is using sign language which takes time and hard to learn for the normal people. | Explore AS, dif |
| | 2. JOBS-TO-BE-DONE / PROBLEMS J&P The problem which the people could face is inefficient communication with normal people which could make their life hard. | 9. PROBLEM ROOT CAUSE RC The root cause is the by birth defect that people could face in communication which makes them opt for sign language that makes the communication harder | 7. BEHAVIOUR BE People usually get the help of the translators to communicate with normal people. In this project, it could be done by capturing the sign language using | |
| Identify strong TR and EM | 3. TRIGGERS TR The people could get an idea when they get an exposure about the model in public places and also in work place. | 10. YOUR SOLUTION SL Capturing and storing the sign language pictures and using AI algorithm to convert them into text format or audio form to make the communication easier. | 8. CHANNELS of BEHAVIOUR CH 8.1 ONLINE People could refer online videos to get an idea about the usage 8.2 OFFLINE The people could get the knowledge about the resource by having an interaction with the people who have knowledge in this. | Extract online and offline CH of BE |
| | 4. EMOTIONS: BEFORE / AFTER EM People will face inferiority issues which leads to inefficient performance. But after using proper communication system they will overcome the inferiority and shine in their life. | | | |

Identify