

Project Design Phase-I
Proposed Solution Template

Date	24 September 2022
Team ID	PNT2022TMID44103
Project Name	Real-Time Communication System Powered by AI for Specially Abled
Maximum Marks	2 Marks

Proposed Solution Template:

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	A large number of disabilities are preventable, including those arising from medical issues, the lack of accessibility in national sign languages, when a child has difficulty hearing, the absence of light makes it difficult for the hearing impaired to engage with others.
2.	Idea / Solution description	Recognize the sign language for specially abled person and also easy to learn then visualize things using facial recognition. It will provide experienced learning and allow the people with disability fully control their environment. This technology can be fulfilled by smart phone with an internet.
3.	Novelty / Uniqueness	AI can help individuals with disabilities by making a major difference in their ability with the big potential to automate tasks that typically require human intelligence, such as speech and voice recognition, visual perception, predictive text functionality, decision-making and performance of a variety of other tasks.
4.	Social Impact / Customer Satisfaction	Negative attitudes held by the families of the disabled, and often the disabled themselves, hinder disabled persons from taking an active part in the family, community or workforce. Differently-abled people face discrimination in everyday life, Communication with sign languages help the people with disability to communicate easily.
5.	Business Model (Revenue Model)	Inclusive design considers the needs of all users as a product or service is being developed, from start to finish. With inclusive or human-centered design, a person with a disability is simply another individual with specific lived experiences. So people with disability can able to access this product with subscription method.

6.	Scalability of the Solution	The ability to detect patterns in large amounts of data to better identify and define absolute image and text by experiencing the process and imaging the method will be very helpful for the people with disability.
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