

Project Design Phase-I
Proposed Solution Template

Date	05 October 2022
Team ID	PNT2022TMID44126
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)	Existence of complications in understanding inputs from user.
2.	Idea / Solution description	Real-time captioning or translations for people with a hearing impairment or even people who don't speak the language.
3.	Novelty / Uniqueness	We are making use of a convolution neural network to create a model that is trained on different hand gestures.
4.	Social Impact / Customer Satisfaction	Voice Conversion System with Hand Gesture Recognition and translation will be very useful to have a proper conversation between a normal person and an impaired person in any language.
5.	Business Model (Revenue Model)	<p>This business model truly revolutionizes accessibility and people with disabilities can drastically improve their everyday lives.</p> <p>The person who is incapable of speaking can easily chat with normal people and the people with hearing impairments can also understand the speech of normal person using this device.</p>
6.	Scalability of the Solution	<p>Accessibility for people with disabilities is high and hearing-impaired users can use text descriptions.</p> <p>Device is portable and power consumption is low. Battery can be charged and reused again. It is user friendly . Hence scalability is high.</p>