Project Design Phase-I
Proposed Solution

Date	20 September 2022
Team ID	PNT2022TMID33857
Project Name	Real-Time Communication System Powered by AI for Specially Abled
Maximum Marks	2 Marks

Proposed Solution:

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Communication between deaf & dumb and normal people is found difficult enough. Because deaf/dumb communicate only through sign language which they know like the back of their hand. But normal people do not have much knowledge in sign language.
2.	Idea / Solution description	A conversation engine for deaf and dumb.
3.	Novelty / Uniqueness	The engine uses CNN of AI to analyze the images of the person who is using sign language and convert them into voice/text.
4.	Social Impact / Customer Satisfaction	Deaf & Dumb finds it easy to communicate freely and the change it made in their life comparing to their past.
5.	Business Model (Revenue Model)	There is no country in the world without deaf & dumb. So it is easy to get revenue from it just with word of mouth.
6.	Scalability of the Solution	It also adds a feature to add new signs and their corresponding meanings and made it available to all other users using 'Update' feature.