Project Design Phase-I
Proposed Solution Template

Date	24 September 2022
Team ID	PNT2022TMID03716
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)	**Statement -** Communication between deaf-mute and a normal person has always been a challenging task. **Description -** The Deaf/Dumb people needs a way to communicate easily and quickly with the normal people, so that the Deaf/Dumb people feel confident enough to express there thought, ideas, and can make conversation with the normal people.

2.	Idea / Solution description	1. Designing and implementing a system using artificial intelligence neural network deep Learning algorithms and image processing concepts to take input as hand gestures (or) sign language and it generates recognizable outputs in the form of text and voice. 2. We can convert the sign languages into voice or text. So that the specially abled people will convey the message to normal people.
3.	Novelty / Uniqueness	The system uses neural network and machine learning to train the models and Computer vision to recognizes the video or image of sign language then smart deep learning algorithms translate it into speech or text.
4.	Social Impact / Customer Satisfaction	1. As the specially abled people feel very difficult to convey their message to normal people in emergency times as well as in normal times. This project mainly focuses on their safety. 2. The main purpose of this application is to make specially abled people feel independent and more confident 3. This application can also make the blind and deaf people to communicate easily and make them to feel at ease on public
5.	Business Model (Revenue Model)	The system can generate revenue through direct customers and collaborate with health care sector and government ,this generates revenue from their customers.

6.	Scalability of the Solution	1.Specially abled people can participate in daily activities rather than being inactive and can get good job opportunities. This provides tremendous opportunities to the specially abled people to show their skills. 2.Adaptive learning platforms also provide personalised learning experiences tailored to the specific needs of students with disabilities. 3. This application aims to help specially abled(like blind and deaf) by providing them with an attractive and easy way of communication.