Project Design Phase-I
Proposed Solution

Date	24 September 2022
Team ID	PNT2022TMID06610
Project Name	Project – 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)	A deaf-mute person is trying to communicate with other normal people, but he/she finds it difficult to do so because the rest of them cannot understand their sign language with the exception of a few, which makes him/her feel left alone, depressed, sad, inferior, insecure and incompetent.
2.	Idea / Solution description	To design a system that used deep-learning to convert deaf-mute's sign language input to normal message and voice, so that, normal people can easily understand the deaf-mute.
3.	Novelty / Uniqueness	This idea is unique as it includes artificial intelligence (deep learning, etc) to solve the problem of deaf-mute communication. Also, it can result in higher accuracy of translation.
4.	Social Impact / Customer Satisfaction	The social impact of the solution is huge. It can create a positive and optimistic society for the deaf-mute to live in. The deaf-mute people may be immensely satisfied and overjoyed when they could communicate with normal people.
5.	Business Model (Revenue Model)	The solution has a business potential as it can tap the deaf-mute people's market. Also, public offices can use this system for their communication with deaf-mute people.
6.	Scalability of the Solution	The solution can be scaled easily to include new features and functionalities, and to cover wider range of people in the future.