Project Design Phase-I
Proposed Solution Template

Date	30 September 2022
Team ID	PNT2022TMID01158
Project Name	Project - Real Time Communication System Powered by AI For Specially Abled
Maximum Marks	2 Marks

Proposed Solution Template:

Project team shall fill the following information in proposed solution template.

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	- To communicate between specially abled person to normal person and vice-versa and this can be solved using this project - Some people cannot understand English we can convert into their convenient language
2.	Idea / Solution description	- Even sign language can also be translated to text message in our application using CNN. - Text to sign language convertor uses Stanford Parser text processing and Signing for the signing avatar - Can change the language using google language translator tool so that people can use the application based on their specialised language - Producing a model which can recognize Finger-spelling based hand gestures in order to form a complete word by combining each gesture - By using this application both specially abled and normal people can translate their messages to others easily
3.	Novelty / Uniqueness	- Convenient language can be changed using google language translator tool - Normal text can also be translated into sign language - ASL has a rich vocabulary and grammar unique from any spoken language
4.	Social Impact / Customer Satisfaction	- The main aim of the project is to build an application that helps the specially abled people to communicate with others easily - The deaf and dumb people can easily translate their sign language into a human hearing voice

		• The normal people can also easily translate their voice into a sign language using this application • This allows the people to access ,learn and do recognition of language
5.	Business Model (Revenue Model)	• We can generate revenue by offering subscription-based applications to the people • Users who have got subscription can change the language accordingly
6.	Scalability of the Solution	• Even if the number of users increase the system will perform well • Need to pay attention to the application and to be responsive to the changes as fast as possible • The output is optimal and it can be accessable anywhere and anytime