Project Design Phase-I
Proposed Solution Template

Date	30 September 2022
Team ID	PNT2022TMID48819
Project Name	Project – Real Time Communication System Powered by AI For Specially Abled

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)	- Everyone is not convenient with language used in the application - Some people cannot understand English we can convert into their convenient language - They are facing difficulties in understanding the language used in the system
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 JA Signing for the signing avatar - Can change the language using google language translator tool so that people can use the application based on their specialized 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 the google language translator tool • Normal text can also be translated into sign language
4.	Social Impact / Customer Satisfaction	• The Main aim of the project is to build an application that helps the especially abled people to communicate with others easily • The deaf and dumb people can easilytranslate their sign language into a human hearing voice • The normal people can also easily translate their voice into a sign language using this application
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