Project Design Phase-I
Proposed Solution Template

Date	21 October 2022
Team ID	PNT2022TMID28719
Project Name	Project – Real time communication 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)	• Communication between specially abled people and normal person has always been a challenging task and it is very difficult for specially abled people to convey their message to normal People .
2.	Idea / Solution description	➢ An app is build by using ML and CNN to create a model that is trained on different hand gestures. ➢ By giving text input and with the help Gesture sign language equivalent and HamNoSys conversion we can use 3D avatar to read and play the converted file . ➢ For sign conversion , Pre-Processing ,Feature extraction and LDA algorithm is used for conversion.
3.	Novelty / Uniqueness	• Accuracy and simple UI • planning to inbuild a library which helps the user to learn about sign language
4.	Social Impact / Customer Satisfaction	• This is two way communication app which reduces the communication gap with the key characteristics of flexibility ,& automation. • It will be Quick adaptation to User's needs and compatible with mobile platform.
5.	Business Model (Revenue Model)	• This app provides Basic Features for free and will be easily accessible and the price will be allocated once we bring updates or new features and will collaborate with many organizations and social platforms to outspread the application .

6.	Scalability of the Solution	• By implementing this app , it enhances the communication for specially abled community and the output will be optimal for every users.