Project Design Phase-I
Proposed Solution

Date	19 September 2022
Team ID	PNT2022TMID16097
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)	Communication between deaf-mute and a normal person. It is often difficult for mute person to convey their information to normal people in emergency as well as in normal times since normal people are not trained in sign language. Hence there is a need for a system which enables them to communicate with normal people.
2.	Idea / Solution description	To develop a system that converts sign language into human hearing voice so that it can be conveyed to normal people.
3.	Novelty / Uniqueness	Convolution neural network is used to create the model and it is trained on different hand gestures and an app is built.
4.	Social Impact / Customer Satisfaction	Communication process is carried without the help of additional human intervention and there is no additional hardware support needed.
5.	Business Model (Revenue Model)	The app can be made available to more groups which will increase its growth.
6.	Scalability of the Solution	Easy to handle and it can be accessed from any device and by everyone as it is hosted in IBM cloud.