Project Design Phase-I
Proposed Solution

Date	24 September 2022
Team ID	PNT2022TMID10881
Project Name	Real Time Communication Powered By AI For Specially Abled
Maximum Marks	2 Marks

Proposed Solution:

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	The project aims to develop a system that converts sign language into a human hearing voice in the desired language to convey a message to normal people, as well as convert speech into understandable sign language for the deaf and dumb.
2.	Idea / Solution description	We are making use of a convolution neural network to create a model that is trained on different hand gestures. An app is built which uses this model. This app enables deaf and dumb people to convey their information using signs which get converted to human-understandable language and speech is given as output.
3.	Novelty / Uniqueness	Most of the people are not aware of sign language, so the main motive of this project is to communicate between both specially abled and human language using the concept of Artificial Intelligence.
4.	Social Impact / Customer Satisfaction	The main problem is that an ordinary person would easily misunderstand the meaning conveyed. The advancement in AI and computer vision can be adapted to recognize and learn the sign language. The modern systems can help an ordinary person to recognize and understand the sign language. This article presents a method which is related to the recognition of hand gestures using deep learning
5.	Business Model (Revenue Model)	There will not be any profit from this project. It isfully service based application.
6.	Scalability of the Solution	The application can be integrated with other mobile devices to improve user interaction and make the system more robust. The accuracy of the program can be further improvised by using neural networks.