Project Design Phase-I
Proposed Solution Template

Date	22 October 2022
Team ID	PNT2022TMID38653
Project Name	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)	The communication between the deaf-mute people and a normal people has always been a very challenging task . It is very difficult for mute people to convey their message to normal people, since normal people are not trained on sign language. In emergency situations conveying their message is very difficult.
2.	Idea / Solution description	Voice Conversion System with Hand System Recognition and Translation will be very useful to have a proper communication between the normal person and an impaired person in any language.
3.	Novelty / Uniqueness	We are making use of a Convolutional Neural Network to create a new model that is trained on different Hand Gestures. An app is built using this model. This app enables Deaf and Dumb people to convey their information using signs which gets converted into Human Understandable Language and Speech is given as the output.
4.	Social Impact / Customer Satisfaction	The Communication between the Deaf-mute and the normal people will become more easier which will be a boon to our society.
5.	Business Model (Revenue Model)	Nirvadha vadathi – an app to assist deaf and dumb people.
6.	Scalability of the Solution	Measuring of Real Time values and continuous monitoring helps in providing services to the Specially Abled People.