Project Design Phase-I
Proposed Solution Template

Date	10 Neptember 2022
Team ID	PNT2022TMID48010
Project Name	Project – REAL TIME COMMUNICATION POWERED BY AI FOR SPECIALLYABLED
Maximum Marks	2 Marks

Proposed Solution Template:

The project team shall fill in the following information in the proposed solution template.

S.No	Parameter	Description
1.	Problem Statement (Problem to be solved)	**How might we design and implement the system to overcome the communication barrier between normal people and speech-hearing impaired people?**
2.	Idea / Solution description	**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. We are making use of a convolution neural network to create a model that is trained on different hand gestures.**
3.	Novelty / Uniqueness	• **Enables Two-Way Communication System** • **Accurate Hand Gesture Recognition** • **Retrieval of High-Quality Audio** • **Multilingual system** • **Auto Updating** • **Disabled People get Benefited on a Major Scale** • **Learning Sign Language is not Necessary**
4.	Social Impact / Customer Satisfaction	✓ **Specially Abled People cannot be felt Underrated** ✓ **Easily Accessible by Young and Adults** ✓ **Breaks Inferior Complexity among the Society** ✓ **Portable System** ✓ **Cost Efficient** ✓ **Live Communication** ✓ **Communication Without Delay**
5.	Business Model (Revenue Model)	**Based on the Popularity of the Application, the number of users gets increased so that Marketing profit can also be Increased.**
6.	Scalability of the Solution	**Based on several users who need the service mostly get benefited from this application. This project can be expandable to reach more**

		people which broadens the effectiveness for the users.