Ideation Phase-I
Problem Statement Template

Date	*24 September 2022*
Team ID	*PNT2022TMID30001*
Project Name	*Real time communication system powered by AI for specially abled.*
Maximum Marks	*2 Marks*

Problem Statement Template:

Project team shall fill the following information in proposed solution template.

S.No.	*Parameter*	*Description*
1.	*Problem Statement (Problem to be solved)*	*The project aims to develop a system that converts the 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.** .*
2.	*Idea / Solution description*	*The ideas consisted of designing and implement a system using **artificial intelligence, image processing and machine learning** concepts to take input as hand gestures.*
3.	*Novelty / Uniqueness*	*It recognizes the video of sign language speaker and **then smart algorithms translate it into speech.***
4.	*Social Impact / Customer Satisfaction*	*1. About two thirds of People with a mobility and dexterity disability are most likely to **experience a great deal of difficulty with everyday activities.*** *2. The main purpose of this application is to make **deaf-mute people feel independent and more confident.***
5.	*Business Model (Revenue Model)*	*1. AI can generate revenue through direct customers and **collobrate with health care sector and generate revenue** from their customers.* *2. **To develop solutions to many physical and cognitive challenges disabled individuals face at work and in daily life to promote social inclusion for them.***

| 6. | Scalability of the Solution | 1.   *AI technology helping disabled people opens up* **new opportunities for accessibility inclusion in society and independent living.**

2.   *It could unlock more advanced and innovative solutions for addressing the most complex* **challenges faced by disbled peoples.** |