

Project Design Phase-I
Proposed Solution Template

Date	24 September 2022
Team ID	PNT2022TMID30001
Project Name	Real time communication system 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 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.