

Project Design Phase-I
Proposed Solution Template

Date	19 September 2022
Team ID	PNT2022TMID37965
Project Name	Project – 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)	Real Time Communication System Powered By AI For Specially Abled
2.	Idea / Solution description	The project aims to develop an AI model that converts sign language into a speech that can be understood by normal people. It is very difficult for mute people to convey their message to normal people. Since normal people are not trained on hand sign language. In emergency times conveying their message is very difficult.
3.	Novelty / Uniqueness	communication between specially abled people and normal people using AI
4.	Social Impact / Customer Satisfaction	Communications between deaf-mute and a normal person has always been a challenging task. The human hand has remained a popular choice to convey information in situations where other forms like speech cannot be used.
5.	Business Model (Revenue Model)	Can generate revenue from direct customers, like normal people
6.	Scalability of the Solution	Making use of a convolution neural network to create a model that is trained on different hand gestures. This app enables deaf and dumb people to convey their information using signs which get converted to human-understandable language and speech.