

Project Design Phase-I
Proposed Solution Template

Date	24 th September 2022
Team ID	PNT2022TMID52960
Project Name	Real-Time Communication System Powered by AI for Specially Abled

Proposed Solution Template:

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	To facilitate communication between a differently abled person and a normal person during emergency situations
2.	Idea / Solution description	Our idea is to develop an application which converts sign language into a human voice in the desired language as well as convert speech into understandable sign language for the deaf and dumb using Convolution neural network.
3.	Novelty / Uniqueness	Converting the (ISL) Indian Sign Language to text and sending it to the necessary authorities during emergency situations.
4.	Social Impact / Customer Satisfaction	<ul style="list-style-type: none">• Timely and quick help for the disabled people in need.• Easy to access.• Broadens scope for communication for the disabled.
5.	Business Model (Revenue Model)	Collecting donations from people for enabling the application to have a much wider reach.
6.	Scalability of the Solution	The donations collected can be further used to develop this application into a standalone embedded system that consumes less power and can last for a longer duration.