

Project Design Phase-I

Proposed Solution Template

Date	24 September 2022
Team ID	PNT2022TMID52462
Project Name	Real-Time Communication System Powered by AI for Specially Abled

Proposed solution:

The motive of our application is to make deaf-dumb people communicate easily with the people by the help of real-time system.

S.No	Parameter	Description
1	Problem statement(problem to be solved)	To solve the issues of deaf-dumb people to communicate with the people to make them feel confident <input type="checkbox"/>
2	Idea / Solution description	<input type="checkbox"/> Converting sign language into voice and text in the desired language (two-way communication) using Convolutional Neural Network technology.
3	Novelty / Uniqueness	<input type="checkbox"/> Upgrading our solution by implementing an alert system using BigPanda algorithm for improvement
4	Social Impact / Customer Satisfaction	<ul style="list-style-type: none"> To reduce the risk of losing their lives. It increases the scope for career development. <input type="checkbox"/> It will smash all the barriers and will help to enhance their skills in a positive manner.
5	Business Model (financial Benefit)	<input type="checkbox"/> We will collaborate with multi deaf-dumb organizations to outspread the application. <input type="checkbox"/> Here we give most of the basic features at free cost but they have to pay if they need more advanced features.
6	Scalability of Solution	<input type="checkbox"/> It has very less complexity for the user <input type="checkbox"/> Encoding the errors and decoding with better accuracy.