Project Design Phase-I

Proposed Solution Template

Date	24 September 2022
Team ID	PNT2022TMID44309
Project Name	Real-Time Communication System Powered by AI for Specially Abled
Maximum Marks	2 Marks

Proposed solution:

The motive of our application is to make deaf-mute people communicate easily with society with the help of real-time system. In vital situations, the alerting system can be accessed with great accuracy.

S.No	Parameter	Description
1	Problem statement (problem to be solved)	To solve the issues of deaf-mute people to communicate with society to make them feel optimistic
2	Idea / Solution description	Converting sign language into human hearing voice and text in the desired language (two-way communication) using Convolutional Neural Network technology.
3	Novelty / Uniqueness	Upgrading our solution by implementing an alert system using BigPanda algorithm for amelioration.
4	Social Impact / Customer Satisfaction	• To diminish the risk of losing their lives. • It increases the scope for career development. • It will shatter all the barriers and will help to enhance their skills in a positive manner. • It can be easily accessible anywhere anytime and at any place.
5	Business Model (financial Benefit)	• We will collaborate with multi deaf-mute organizations to outspread the application. • More number of recipients will enable the application which will boost the growth.
6	Scalability of Solution	• It has very less complexity for the user and there will be growth by using the application. • Encoding the errors and decoding with better accuracy.