Project Design Phase-I

Proposed Solution Template

Date	17 October 2022
Team ID	PNT2022TMID26094
Project Name	Real-Time Communication System Powered by AI for Specially Abled

Proposed solution:

The aim of the application is to help deaf-dumb people to communicate easily with the normal people(Specially abled people)

S.No	Parameter	Description
1	Problem statement	• To solve the issues of deaf-dumb people to communicate with the people to make them feel confident
2	Idea	• Converting sign language into voice and text in the desired language (two-way communication) using Convolutional Neural Network technology.
3	Uniqueness	• Upgrading our solution by implementing an alert system using Big Panda algorithm for improvement
4	Social Impact	• To reduce the risk of losing their lives. • It increases the scope for career development. • It will smash all the barriers and will help to enhance their skills in a positive manner.
5	Business Model	• We will collaborate with multi deaf-dumb organizations to outspread the application. • 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	• It has very less complexity for the user • Encoding the errors and decoding with better accuracy.