Project Design Phase-I
Proposed Solution

Date	29.09.2022
Team ID	PNT2022TMID50654
Project Name	Real time communication powered by AI for Specially abled
Maximum Marks	2 Marks

Proposed Solution :

S.No	Parameter	Description
1.	Problem Statement (Problem to be solved)	Sign Language is a visual means of communicating using gestures, facial expressions, and body language with specially abled. Since normal people are not trained in sign language, in times of emergency conveying their message is very difficult. Hence, there is a need for a system that recognizes different signs and empowers them in communicating with normal people
2.	Idea / Solution description	The idea is to create an end-end application that predicts the ISL signs from a live video and translates the same to voice such that conversing is at ease
3.	Novelty / Uniqueness	We are making use of a convolution neural network to create a model that is trained on different hand gestures.
4.	Social Impact / Customer Satisfaction	● Communication is achieved without the help of additional human intervention. ● No additional hardware support is needed to use the application ● Improve their career opportunities in the industry ● Can provide instant results to users
5.	Business Model (Revenue Model)	This business model truly revolutionizes accessibility and people with disabilities can drastically improve their everyday lives. We can associate the application with organizations to provide support for the specially abled. Creating an association with other medical applications to utilize our product in their app.
6.	Scalability of the Solution	This is a application people can access the application from any device (Mobile, Desktop, laptop, etc.), and used by everyone across the world. As it is hosted in IBM Cloud, it could be scaled up and down as per demand