REAL TIME COMMUNICATION SYSTEM POWERED BY AI FOR SPECIALLY ABLED

SUBMITTED BY

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Project Design Phase-I
Proposed Solution Template

Date	24 September 2022
Team ID	PNT2022TMID23501
Project Name	REAL TIME COMMUNICATION SYSTEM POWERED BY AI FOR SPECIALLY ABLED
Maximum Marks	2 Marks

Proposed Solution Template:

Project team shall fill the following information in proposed solution template.

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Dumb people use hand signs to communicate, hence normal people face problem in recognizing their language by signs made. Hence there is a need of the systems which recognizes the different signs and conveys the information to the normal people in a two way communication.
2.	Idea / Solution description	Developing a system that converts the sign language into a human hearing voice in the desired language to convey a message to normal people, as well as convert speech into understandable sign language for the deaf and dumb. We are using a python code to develop an app for sign recognition and translation
3.	Novelty / Uniqueness	Since the application is AI based, it adjusts to human input accordingly, and communication becomes easier.
4.	Social Impact / Customer Satisfaction	Validating and understanding user's feelings. AI gives you the power to strengthen customer engagement, encourage brand loyalty, and improve retention.
5.	Business Model (Revenue Model)	Our proposed system includes a number of technologies like voice to text conversion speech to text conversion

		The product will be assigned an initial margin price and price will be updated as we add new updates to it.
6.	Scalability of the Solution	By virtue of this device the communication of the deaf and dumb person with normal person is made possible. This device also eliminates the need of the interpreter and also avoids miscommunication. Thus, the final system will not be much expensive making it accessible to every needful person. With proper planning this system can be used in different organizations. Different types of sign conventions can be stored in the device