

Project Design Phase-I
Proposed Solution Template

Date	04 October 2022
Team ID	PNT2022TMID01280
Project Name	Project – 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)	In our world people have disabilities. People who are Specially abled finds difficulty to communicate with others. Communication between deaf-mute and a normal person is a challenging task because specially abled people understand the sign language whereas normal people couldn't understand easily.
2.	Idea / Solution description	An idea is to build an app that incorporate AI technology to bridge the gap and this project inculcate CNN model to understand the hand gestures of specially abled people and convert

		into text or speech and addition to that in emergency situations predefined template effectively used for communication.
3.	Novelty / Uniqueness	In this project one uniqueness is that in emergency situation predefined templates will be used for communication and it has whiteboard feature in that people who couldn't read or write have the option to deliver the message using white board.
4.	Social Impact / Customer Satisfaction	This project enables the Specially-abled people to communicate normally without any hindrance in society and it removes the difficulty to convey the message to others. Customer can easily interact with this app without any delay while sharing the information.
5.	Business Model (Revenue Model)	This app advertisement so that developers will get revenue. This app also has premium features which enables the users to experience extra features such as connect with google meet, chat with other people like community and then connect with google map.
6.	Scalability of the Solution	This project enables the developer to add more templates and it also paves the path to train the model in-case if there is a need to train the

		model with new sign language.
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