

PROJECT DESIGN PHASE-1

PROPOSED SOLUTION TEMPLATE

DATE	25 September 2022
TEAM ID	PNT2022TMID41036
PROJECT NAME	Real-Time Communication System powered by AI for Specially Abled
MAXIMUM MARKS	2 Marks

Proposed Solution:

S.NO	Parameter	Description
1.	Problem Statement (Problem to be solved)	The research focuses on real-time communication over non-real-time LAN technologies that have so far been concentrated on multimedia and similar applications. However, there is also large need for research efforts in the field of industrial systems.
2.	Idea / Solution description	All digital platforms rely on accurate and timely delivery of data. This is why the core of the Real-Time Communication System is an engine that ensures rich data sets in real-time, controllability of individual sensor settings, compression of data, error checking, message traceability and retransmission of lost data.
3.	Novelty / Uniqueness	We use a convolution neural network to build a model trained on different hand gestures. An application has been developed that uses this model. The app enables deaf and hard of hearing people to communicate their information using signs that are converted into human-understandable language and given as speech output.
4.	Social Impact / Customer Satisfaction	The main purpose of this application is to make deaf-mute people feel independent and more confident.

5.	Business Model (Revenue Model)	Can generate revenue through direct customers and collaborate with health care sector and generate revenue from their customers.
6.	Scalability of the Solution	When people with disabilities face certain problems, the problems can be solved easily through real-time communication.