Project Design Phase-I

Proposed Solution Template

Date	08 November 2022
Team ID	PNT2022TMID06310
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 the proposed solution template.

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	A Real time communication system needs some modifications before transferring different speech signals simultaneously on the same band/channel. The signals are sampled from analog audio signals with an introduction of quantization noise and sampling degradation.
2.	Idea/Solution Description	1. The ideas consisted of designing and implement a system using artificial intelligence, image processing and data mining concepts to take input as hand gestures. 2. It generates recognizable outputs in the form of text and voice with 91% accuracy.
3.	Novelty / Uniqueness	Optimizing and improving the virtual communication for the specially abled people.
4.	Social Impact/Customer Satisfaction	1.About two thirds of People with a mobility and dexterity disability are most likely to experience a great deal

		of difficulty with everyday activities. 2.The main purpose of this application is to make deaf-mute people feel independent and more confident.
5.	Business Model (Revenue Model)	Lack access to employment opportunities and even if they are able to get employment, they face problems such as reasonable accommodation at work, accessible public transportation to get them to work and back and discrimination and ignorance about their potential at work.
6.	Scalability Solution	1.AI technology helping disabled people opens up new opportunities for accessibility inclusion in society and independent living. 2.It could unlock more advanced and innovative solutions for addressing the most complex challenges faced by disabled peoples.