

Project Design Phase-I
Proposed Solution Template

Date	19 September 2022
Team ID	PNT2022TMID10824
Project Name	Real-Time Communication System Powered by AI for Specially Abled
Maximum Marks	2 Marks

Proposed Solution Template:

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	<ul style="list-style-type: none">❖ The primary goal of this study is to improve disabled people's communication skills.❖ A disability is any physical or mental condition that makes it more difficult for the person to perform certain activities and interact with the world around them.❖ Communication is the most difficult challenge for people with disabilities.
2.	Idea / Solution description	<ul style="list-style-type: none">❖ AI tool that converts impaired speech patterns into fluent speech, making it easier for speech-impaired users to be understood.❖ AI advancements have also enabled the development of tools that make the lives of people with hearing disabilities easier.❖ The AI-powered app employs neural networks and computer vision to instantly translate gestures or sign language into text and speech.
3.	Novelty / Uniqueness	<ul style="list-style-type: none">❖ AI-powered self-driving cars and other forms of autonomous transportation hold enormous promise for housebound individuals with disabilities.❖ Artificial intelligence, autonomous vehicles developed by Google's Waymo, Uber, Lyft, Drive AI, and others, could reduce physical isolation and promote a more social lifestyle for such people.

4.	Social Impact / Customer Satisfaction	<ul style="list-style-type: none"> ❖ AI has a significant impact on the daily lives of people with disabilities text summarization allows a person with a mental impairment to easily comprehend the world around him. ❖ Because nearly 4 billion people worldwide use Google's search engine, AI is viewed as a social good. ❖ It is available to everyone, including people with disabilities.
5.	Business Model (Revenue Model)	<ul style="list-style-type: none"> ❖ AI technology is applicable in any field and can thus improve accessibility even at home. ❖ Virtual assistants can improve everyone's lives, but it's especially noticeable for people with disabilities. ❖ Artificial intelligence has truly transformed accessibility and inclusion! ❖ People with disabilities can significantly improve their daily lives thanks to AI technology solutions.
6.	Scalability of the Solution	<ul style="list-style-type: none"> ❖ Disabled people can interact with the web browser and the application by signing in with their own account and reviewing their own basic information, such as name, age, disability, gender, disability, addresses, and photos at work. ❖ AI allows people with disabilities to enter a world where their difficulties are recognised and addressed.