

Project Design Phase I  
Proposed Solution  
Template

Date	02October2022
Team ID	PNT2022TMID01161
Project Name	Project –Real –Time Communication System Powered By AI For Specially abled Persons
Maximum Marks	2Marks

Proposed Solution Template:

Parameter	Description
Problem Statement(Problem to be solved)	To create an effective communication tool that can translate hand signs into text and voice for persons who are deaf or hard of hearing.
Idea/Solution description	<ul style="list-style-type: none"><li>• It accurately produces recognised outputs in the form of text and voice.</li><li>• Voice assistants have been implemented, which transform text into voice using spoken patterns as input.</li></ul>
Novelty/Uniqueness	<ul style="list-style-type: none"><li>• The computer and neural networks used in the development of the GnoSys app constitute artificial intelligence.</li><li>• It decodes a sign language speaker's video using sophisticated algorithms, which then convert it to speech.</li></ul>
Social Impact/Customer Satisfaction	<ul style="list-style-type: none"><li>• The main goal of this application is to increase the independence and self-assurance of deaf-mute people. It alters the perspective of the impaired so that they realise they are also capable of participating in everyday conversations with others.</li></ul>

Business Model (Revenue Model)	<ul style="list-style-type: none"> <li>• AI can generate revenue through direct customers and collaborate with health care sector and generate revenue from their customers</li> <li>• The quicker and more effectively text or speech output is created, the more it encourages the app to be optimised with new developments.</li> </ul>
Scalability of the Solution	<ul style="list-style-type: none"> <li>□ When it comes to solving the most difficult problems that disabled people experience, AI has the potential to lead to more imaginative and advanced solutions.</li> <li>□ AI technology that supports impaired persons creates new possibilities for independence and societal involvement.</li> </ul>