Project Design Phase-II
Solution Requirements (Functional & Non-functional)

Date	03 October 2022
Team ID	PNT2022TMID38587
Project Name	Real-Time Communication System for Specially Abled
Maximum Marks	4 Marks

Functional Requirements:

Following are the functional requirements of the proposed solution.

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Registration	Registration through Form Registration through Gmail Registration through LinkedIN
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	User Connecting with people	For normal people they will connect through voice/text For specially abled they will connect through sign language
FR-4	User Input	For normal people voice/text For specially abled signs
FR-5	User Communication	They communicate via the model that takes voice/text from normal people and convert it into the sign for specially abled and it takes sign as input from the specially abled people and gives the text/voice as output to normal people.
FR-6	User output	For normal people voice/text For specially abled signs

Non-functional Requirements:

Following are the non-functional requirements of the proposed solution.

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	This model will help the customer i.e, the user to have a clear and peaceful communication between the specially abled and normal people.
NFR-2	**Security**	The user can communicate with the secured medium. The communication will be existing between those who communicates. So, they can communicate without hesitating about security.
NFR-3	**Reliability**	The model is an reliable one as we are going to predict the text / voice from the dataset which is already trained by the model . The possibilities to get the error is low here.

NFR-4	**Performance**	The performance of our model will be good as it lies as a bridge between the specially abled people and normal people for a normal and fruitful conversation.
NFR-5	**Availability**	The availability of the model is open always. Like whenever the people need to communicate, they can be easily go-aheads.
NFR-6	**Scalability**	The scalability of the system is good as the model ability to increase the performance and cost in response to changes in application and system processing demands.