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

Date	07 November 2022
Team ID	PNT2022TMID27548
Project Name	Project - Real-Time Communication System Powered by AI 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	Uploading image	Upload image through camera or Upload image through gallery
FR-4	Templates usage during any emergencies	Select emergency templates icon to pass the message quickly
FR-5	Text to speech	Converts respective text to sign language

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	User can easily upload the image and this app is designed in a way where user can easily find some predefined templates or layouts
NFR-2	**Security**	User should sign in into the application. So any unauthorized access will be avoided at the most.
NFR-3	**Reliability**	This application has robust fault tolerance and even if there is an error, it recuperates swiftly.
NFR-4	**Performance**	Utilizing the CNN model, the gestures made by the user is predicted by the application with a higher accuracy.
NFR-5	**Availability**	This application is effortless and is accessible to all users. The predefined formats or layouts are understandable and makes it easier for accessing it.
NFR-6	**Scalability**	Highly scalable which uses gesture recognition and is a hands on model which is used in many other applications.