

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

Date	04 November 2022
Team ID	PNT2022TMID42880
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	User Interface	User friendly and can be handled easily.
FR-4	Collection of datasets	Information about the different sign and the corresponding voice are collected.

**Non-functional Requirements:**

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

FR No.	Non-Functional Requirement	Description
NFR-1	<b>Usability</b>	Used for specially abled person to communicate with normal person without any barriers.
NFR-2	<b>Security</b>	The person who is using this website, their details and their personal data are protected.
NFR-3	<b>Reliability</b>	The exact sign conversion for the specified sign are found correctly and then their corresponding voice is given as output with high accuracy.
NFR-4	<b>Performance</b>	The proposed model is more efficient and can also be accessible by lots of people since it will be deployed on the internet with a user-friendly interface.
NFR-5	<b>Availability</b>	The website must be responsive so that any type of devices such as mobile, tablet, computer etc can be used.
NFR-6	<b>Scalability</b>	With adequate funding and manpower, the proposed model can be scaled up, which would

		make it a more sophisticated system that can
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