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

Date	16 November 2022
Team ID	PNT2022TMID04184
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 is gathered regarding the various signs and the corresponding voice.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	Used to allow people with special needs to speak openly with people without any obstacles.
NFR-2	**Security**	The user of this website, their information, and their personal data are secured.
NFR-3	**Reliability**	After correctly determining the exact sign conversion for the given sign, their corresponding voice is then outputted with high accuracy.
NFR-4	**Performance**	The proposed approach is more effective and can be accessed by many individuals because it will be made available online and has an easy-to-use interface.
NFR-5	**Availability**	The website needs to be responsive in order to be usable on all types of devices, including computers, tablets, and mobile phones.
NFR-6	**Scalability**	The proposed model can be scaled up to become a more complex system that can recognise several sign languages and also translate into multiple conventional languages with enough cash and labor.