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

Date	07 November 2022
Team ID	PNT2022TMID45254
Project Name	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 Google forms
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	System requirements	Desktop with high resolution camera
FR-4	Authorization	The two levels of authorization are standard access level and advanced access level
FR-5	External Interface	Ethernet, Wi-Fi, speaker,web camera,mic
FR-6	Reporting	Any issues found in the application, then automatically it will be notified to the developer

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	To communicate a message to the normal people and to translate speech into sign language that the deaf and the dumb may understand
NFR-2	**Security**	Only uses have access to material that has been translated from signs into voice
NFR-3	**Reliability**	Provides information about possible problems with desktop apps on controlled devices
NFR-4	**Performance**	For real-time communication, the process of translating signals into voice needs to happen more quickly
NFR-5	**Availability**	Provides as much spontaneous recuperation as feasible
NFR-6	**Scalability**	AI technology helps disabled people to open up new opportunities for accessibility inclusion in society and independent living