

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

Date	05 November 2022
Team ID	PNT2022TMID22143
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 Form Registration through Gmail Registration through Google account .
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP Password received via Gmail .
FR-3	User Login	Login with the registered mail Id and password .
FR-4	User Data	Sign language is taken as user data and processed using required data / functions .
FR-5	User Voice	A text is generated as an output in system for normal people from sign language data provided

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Users can communicate with regular people more readily by adding images with text and enabling them to interpret conversations between people using sign language.
NFR-2	Security	Data exchanged by the deaf and dumb will be highly secure because a third party won't be involved.
NFR-3	Reliability	Performance will be consistent throughout the usage of website and easy accessible

NFR-4	Performance	Utilizing sign language and assistance technologies will result in better performance.
NFR-5	Availability	All smart phone users with good internet access should find it simple to use.
NFR-6	Scalability	Since it will be placed on smartphones, there won't be a need for a separate device, handling will be more practical.