

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

Date	16 October 2022
Team ID	PNT2022TMID44066
Project Name	Real-Time Communication powered b 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 Gmail
FR-2	User Confirmation	Confirmation via Email or OTP
FR-3	User Login	Login to the portal
FR-4	Hearing impaired person perform sign that represent digit, alphabet, word or a sentence	User comes in front of camera and have the ability to perform the sign.
FR-5	Interface response	System analyzes the performed sign by the user and it shows the sign meaning as text and speech
FR-6	Normal hearing person	Normal hearing person is the passive user of the System.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	This application enables deaf and dumb people to convey their information using signs which get converted to human-understandable language and speech is given as output.
NFR-2	Security	It is more secured .
NFR-3	Reliability	It can be used whenever the user need and also in any kind of environment.
NFR-4	Performance	Performance of the app is more effective. This application is efficient in manner as well.
NFR-5	Availability	It will be available to all the people.

NFR-6	Scalability	This application will be very scalable to have a proper conversation between a normal person and an impaired person in any language.
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