

Project Design Phase-II

Solution Requirements (Functional & Non-functional)

Date	03 October 2022
Team ID	PNT2022TMID52960
Project Name	Real-Time Communication System Powered by AI for the 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 download App	IOS/PlayStore/Website
FR-2	User Registration in app	Registration through mobile number Registration through Gmail Registration through Facebook/Google Account
FR-3	User Confirmation	Confirmation via Username/Password Confirmation via OTP in Gmail/SMS
FR-4	User Login	Auto Login using Cache Login using OTP Login using Account/Google Account
FR-5	User Preferences	Enable Normal/Emergency Communication ISL/ASL Conversion Sign language to various Text Language Conversion Enable Data Sharing to improve conversion accuracies

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Ease of communication for differently abled people during emergency
NFR-2	Security	User decides to share/delete their videos and personal data
NFR-3	Reliability	Guaranteed and Precise sharing of information to the concerned authorities
NFR-4	Performance	Fast and effective conversion and sharing of information
NFR-5	Availability	User Friendly UI Available to users in various Operating Systems
NFR-6	Scalability	Multilingual conversion targets wider audience Can run on various Devices