

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

Date	24 October 2022
Team ID	PNT2022TMID18087
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	Dataset	Collection of dataset of sign images of alphabets

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	It is useful for specially abled people to communicate normally with a normal person
NFR-2	Security	The user information will be secured and their conversation will also be secured
NFR-3	Reliability	It supports sign to voice conversion and voice to sign conversion from the available dataset
NFR-4	Performance	It is an user friendly interface
NFR-5	Availability	It is adaptable to any type of device and it will be accessible at any time
NFR-6	Scalability	It can also support group conversation