

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

Date	03 October 2022
Team ID	PNT2022TMID10881
Project Name	Real Time Communication Using 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 can be done by using the user details through the application.
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	User details storage	Storing user details via database
FR-4	Scanning hand sign images	Uploading images of hand signs via camera
FR-5	Predicting images	Comparing the human words with the hand sign images.
FR-6	Search results of hand sign	Searching the relevant word for the sign language

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Scanning images of sign language and storing the words of human language
NFR-2	Security	Encrypt the user details and use a firewall to store user details securely.
NFR-3	Reliability	Predicting the sign language commands and convert it to human language and vice versa.
NFR-4	Performance	Displaying immediate results by analysing database.
NFR-5	Availability	It can be easily accessible from anywhere at anytime
NFR-6	Scalability	Accurate results will be obtained.