

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

Date	03October 2022
Team ID	PNT2022TMID45340
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	Collect data set	Uploading the data in webpage.
FR-2	Image uploading	Open the webpage in google chrome and collect the image.
FR-3	Access the data	Access the trained data in the code.
FR-4	Using webcam/camera/voice receiver	Collect the input.
FR-5	Display	Producing converting output.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Easy to Handle.
NFR-2	Security	Produce output when a voice or sign language is given as output.
NFR-3	Reliability	Able to identify the speed and sign input and produce an output.
NFR-4	Performance	Rapid response while converting. Produce accurate output.
NFR-5	Availability	Nowadays Deaf Mute Communication interpreter ,under wearable communication method. there are Glove based system , keyboard method and Handicom Touch screen.
NFR-6	Scalability	Easy to use can be able to respond quickly. Able to produce absolute translation. Should consume less data. Requirement of internet speed.