

Project Design Phase-II

Solution Requirements (Functional & Non-functional)

Date	01-11-2022
Team ID	PNT2022TMID43024
Project Name	Real time Communication system powered by Ai for specially able
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 using mobile or laptop
FR-2	User Confirmation	Conformation via email through mobile or laptop
FR-3	User information gathering	User will be shown with registration box which has Name, Gender, disabilities ,mobile number
FR-4	User otp conformation	The page will be opened with conformation box with OTP- conformation by email/mobile number.
FR-5	User access conformation	The camera/microphone allowance will be conformed by the user.
FR-6	User screen	User will be allowed to enact and the hand gestures will be show on the screen
FR-7	User tools	There are many tools used for gestures such as automatic hand shape tools and hearing tools such as high loud less loud beam volume etc.
FR-8	User microphone access	The the voice will be audible in microphone.
FR-9	User feedback	The user will be asked to fill the feedback form.
FR-10	User log out	The user will exit the app after logout

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	The user will be easily able to convert their hand gestures into sign language using sign convertor.
NFR-2	Security	It is highly secured using conformation of mail and mobile number using OTP.
NFR-3	Reliability	If mobile or system issues happen it will be resolved by sending an email the speed of the conversion will be faster.
NFR-4	Performance	It is highly audible and with high quality screening so the user can easily hear and convert their hand gestures into voice the conversion
NFR-5	Availability	Most of the tools are available for converting hand gestures and give high support for the user for hearing the voice clearly.
NFR-6	Scalability	There is a large selection of device of help people with deaf and dumb disabilities such as hearing machine, voice convertor etc.

