PROJECT DESIGN PHASE-II

Solution Requirements (Functional & Non-functional)

Date	07 October 2022
Team ID	PNT2022TMID11418
Project Name	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 communication	User Must Know the Sign Language
FR-2	User communication	The user Has to communicate in Front of the Camera

Non-functional Requirements:

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

FR No	Non-Functional Requirement	Description
NFR-1	Usability	The camera captures all expressions including facial expressions and hand gestures which can be easily used by all age groups.
NFR-2	Reliability	The system is very liable, it can last for long amounts of time if well maintained.
NFR-3	Performance	The cost-effective nature of the system makes it extremely liable and thus, efficient.
NFR-4	Availability	The solution fits all the sign languages when we train the model for all the sign languages. So, it is used by all the countries with different languages.
NFR-5	Scalability	The system gives output rapidly. It also predicts quickly when it gets so many inputs at a time. It predicts different types of sign language at a time.