

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

Date	01 november 2022
Team ID	PNT2022TMID14098
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	<b>Usability</b>	The camera captures all expressions including facial expressions and hand gestures which can be easily used by all age groups.
NFR-2	<b>Reliability</b>	The system is very liable, it can last for long amounts of time if well maintained.
NFR-3	<b>Performance</b>	The cost-effective nature of the system makes it extremely liable and thus, efficient.
NFR-4	<b>Availability</b>	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	<b>Scalability</b>	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.