

## **Project Design phase -2**

### **Solution Requirements (Function &Non-Functional)**

Date	18 October 2022
Team ID	PNT2022TMID47570
Project Name	Real-Time Communication System Powered by AI for Specially Abled .
Maximum Marks	4 Marks

#### **Function Requirements:**

Following are the functional requirements of the proposed solution.

<b>FR.NO</b>	<b>Function Requirement (Epic)</b>	<b>Sub Requirement (Story/ Sub-task)</b>
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-function Requirements:**

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

<b>FR. NO</b>	<b>Non-Functional Requirement</b>	<b>Description</b>
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 .S ,it 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.