

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

Date	11 October 2022
Team ID	PNT2022TMID47812
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 Registration	Registration through Form Registration through Gmail Registration through LinkedIn Registration through Facebook
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP Confirmation via Phone call
FR-3	Background screening	Checking the background of the app.
FR-4	Information security	Safeguard personal information. Restricted access by unknown.
FR-5	Location	Available to all locations including remote areas
FR-6	Interaction	Interaction should be accurate

**Non-functional Requirements:**

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

FR No.	Non-Functional Requirement	Description
NFR-1	<b>Usability</b>	Usability means many factors that constitute what users often describe as user-friendliness.  In the design process with user experience as the core, the analysis of users' product usability can indeed help designers better understand users
NFR-2	<b>Security</b>	Security means assuring all data inside the system or its part will be protected against malware attacks or unauthorized access .  Informations are secured by securing their passwords.

NFR-3	<b>Reliability</b>	<p>Reliability defines the probability of the system operating without failure for a specific period of time.</p> <p>Ways to measure system reliability include the percentage of operations that are completed correctly and the average length of time the system runs before failing</p>
NFR-4	<b>Performance</b>	<p>Performance defines how fast a software system or a particular piece of it responds to certain users actions under a certain work load .</p> <p>The website's load time should not be more than one second for users.</p>
NFR-5	<b>Availability</b>	<p>Availability encompasses reliability, maintainability, and integrity.</p> <p>Available to all remote areas.</p>
NFR-6	<b>Scalability</b>	<p>Scalability is the ability of the application to handle an increase in workload without performance degradation, or its ability to quickly enlarge.</p>