

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

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| Date | 11 October 2022 |
| Team ID | PNT2022TMID08443 |
| 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 | Usability | 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 | Security | 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. |

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| NFR-3 | Reliability | <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 | Performance | <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 | Availability | <p>Availability encompasses reliability, maintainability, and integrity.</p> <p>Available to all remote areas.</p> |
| NFR-6 | Scalability | <p>Scalability is the ability of the application to handle an increase in workload without performance degradation, or its ability to quickly enlarge.</p> |