

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

|               |   |
|---------------|---|
| Date          | 11 October 2022   |
| Team ID       | PNT2022TMID23882  |
| Project Name  | Real-Time Communication System Powered By AI<br>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<br>Registration through Gmail<br>Registration through LinkedIn<br>Registration through Facebook |
| FR-2   | User Confirmation             | Confirmation via Email<br>Confirmation via OTP<br>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>           | <p>Usability means many factors that constitute what users often describe as user-friendliness.</p> <p>In the design process with user experience as the core, the analysis of users' product usability can indeed help designers better understand users</p>                               |
| NFR-2  | <b>Security</b>            | <p>Security means assuring all data inside the system or its part will be protected against malware attacks or unauthorized access .</p> <p>Informations are secured by securing their passwords.</p>   |
| 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>  |