

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

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| Date | 15 October 2022 |
| Team ID | PNT2022TMID51236 |
| Project Name | Project - 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 Phone Number. |
| FR-2 | User Authentication | Confirmation via mail. Confirmation via OTP. Confirmation via voice recognition for visually impaired. |
| FR-3 | Reporting | Any problems faced by customer should be reported automatically. |
| FR-4 | Audit tracking | Streamline their audit processes and comply with regulations or internal policies. |
| FR-5 | Historical data | Collected data about past events must be used to improve the further translations. |

Non-functional Requirements:

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

| FR No. | Non-Functional Requirement | Description |
|--------|----------------------------|--|
| NFR-1 | Usability | The User Interface should be contrast enough for the partially deaf people and also should be friendly UI. |
| NFR-2 | Security | Should be resistive to cyberattacks as the information shared is very confidential. |

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| NFR-3 | Reliability | Support should be provided for in-house or remote accessibility for external resources if required. |
| NFR-4 | Performance | The site should load in 5 seconds when the number of simultaneous users are greater than 50000. |
| NFR-5 | Availability | Continuous availability of our service must be provided all the time. |
| NFR-6 | Scalability | The application should run seamlessly with more than 50000 users at the same time. |

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