

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

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| Date | 29 October 2022 |
| Team ID | PNT2022TMID18994 |
| 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 Logging in via LinkedIn |
| FR-2 | User Confirmation | Email Confirmation OTP Confirmation |
| FR-3 | User login | Logging in via their respective username and password |
| FR-4 | Instructions and demo video | Helps users in understanding the use and functionality of the software |
| FR-5 | Capture image and record audio | Granting access to the camera and microphone |
| FR-6 | Implementation of application | Accessing the database Conversion of sign language to normal language and vice-versa |

Non-functional Requirements:

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

| FR No. | Non-Functional Requirement | Description |
|--------|----------------------------|--|
| NFR-1 | Usability | The software is efficient and simple for users to understand and utilise. |
| NFR-2 | Security | All information contained within the system, or a portion of it, is protected from malware attacks and illegal access. |
| NFR-3 | Reliability | The application performs without any failure and does not produce any glitch. |
| NFR-4 | Performance | The system responds quickly under different load conditions. |
| NFR-5 | Availability | The system is accessible for a user at any given point of time. |
| NFR-6 | Scalability | It evaluates the heaviest workloads at which the system will still function properly. |