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

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|---|---|
| Date | 14 October 2022 |
| Team ID | PNT2022TMID40534 |
| 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<br>Registration through Gmail |
| FR-2 | User Confirmation | Confirmation via Email<br>Confirmation via OTP |
| FR-3 | Authentication | Authentication through Facial recognition<br>Authentication through Password authentication protocol |
| FR-4 | External interfaces | Robots and other tools provide home-based care and other assistance, allowing people with disabilities to live independently |
| FR-5 | Transaction Processing | More application can use to translate the sign language like D talk in the system |
| FR-6 | Reporting | There is a growing feeling that we need to do more, to help make the lives of people with disabilities easier |
| FR-7 | Business rules | Human augmentation and Practical accuracy are responsible for AI business rules |

**Non-functional Requirements:**

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

| FR No. | Non-Functional Requirement | Description |
|---|---|---|
| NFR-1 | **Usability** | provide personalised learning experiences tailored to the specific needs of students with disabilities |
| NFR-2 | **Security** | Set the inclusion and exclusion criteria , Report the results in the survey |
| NFR-3 | **Reliability** | It setting the pace of the future and helping people in need |
| NFR-4 | **Performance** | enables people with disabilities to step into a world where their difficulties are understood and taken into account |
| NFR-5 | **Availability** | Technology solutions that mimic humans and use logic from playing chess to solving equations and Machine learning is one of the technologies |
| NFR-6 | **Scalability** | The improvement in the specially abled persons interaction with the environments |