

## Project Design Phase-II

### Solution Requirements (Functional & Non-functional)

|               |   |
|---------------|---|
| Date          | 17 October 2022   |
| Team ID       | PNT2022TMID40618  |
| Project Name  | Project – Real Time Communication System<br>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  | <b>Usability</b>           | provide personalised learning experiences tailored to the specific needs of students with disabilities                                       |
| NFR-2  | <b>Security</b>            | Set the inclusion and exclusion criteria , Report the results in the survey  |
| NFR-3  | <b>Reliability</b>         | It setting the pace of the future and helping people in need   |
| NFR-4  | <b>Performance</b>         | enables people with disabilities to step into a world where their difficulties are understood and taken into account                         |
| NFR-5  | <b>Availability</b>        | Technology solutions that mimic humans and use logic from playing chess to solving equations and Machine learning is one of the technologies |
| NFR-6  | <b>Scalability</b>         | The improvement in the specially abled persons interaction with the environments   |

