**Project Design Phase-II**

|  |  |
| --- | --- |
| Date | 17 October 2022 |
| Team ID | PNT2022TMID52013 |
| Project Name | Real-Time Communication System Powered by AI for Specially Abled |
| Maximum Marks | 4 Marks |

**Functional Requirements**

|  |  |  |
| --- | --- | --- |
| **FR No.** | **Functional Requirement (Epic)** | **Sub Requirement (Story / Sub-Task)** |
| FR-1 | User registration | Registration through Gmail |
| FR-2 | User Confirmation | Confirmation through Gmail |
| FR-3 | Registration for test and train folders | The user must be confirmed with the test and train folder which is to be recognised. |
| FR-4 | Registration for GPS location | The location must be registered. |
| FR-5 | Input must be given | By Image Processing |
| FR-6 | Location must be given | Location can be given as voice message for tracking the location. |
| FR-7 | Functional Requirements Done | Voice outputs will be given. |

N**on-Functional Requirements**

|  |  |  |
| --- | --- | --- |
| **NFR.No** | **Non-Functional Requirements** | **Description** |
| NFR-1 | Usability | This device can be helpful to the blind peoples to know about their surroundings and environment. |
| NFR-2 | Security | The device will be only accessible by the user through Gmail confirmation and the data will not be hacked in ease. |
| NFR-3 | Reliability | The device will be more reliable because we use accurate sensors and GPS systems. |
| NFR-4 | Performance | The performance of the device is high in speed and low power usage so that the user can use without interruptions. |
| NFR-5 | Availability | The device will be available in the market to buy it. |
| NFR-5 | Scalability | The scalability of the device is high in terms of network and GPS issues. |