**Project Design phase -2**

**Solution Requirements (Function &Non-Functional)**

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| Date | 18 October 2022 |
| Team ID | PNT2022TMID47570 |
| Project Name | Real-Time Communication System Powered by AI for Specially Abled . |
| Maximum Marks | 4 Marks |

**Function Requirements:**

Following are the functional requirements of the proposed solution.

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| --- | --- | --- |
| **FR.NO** | **Function Requirement (Epic)** | **Sub Requirement (Story/ Sub-task)** |
| FR-1 | User Communication | User Must Know the sign language |
| FR-2 | User Communication | The user has to communicate in front of the camera |

**Non-function Requirements:**

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

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| **FR. NO** | **Non-Functional Requirement** | **Description** |
| NFR-1 | **Usability** | The camera captures all expressions including facial expressions and hand gestures which can be easily used by all age groups. |
| NFR-2 | **Reliability** | The System is very liable, it can last for long amounts of time if well maintained . |
| NFR-3 | **Performance** | The cost-effective nature of the system makes it extremely liable and thus, efficient . |
| NFR-4 | **Availability** | The solution fits all the sign languages when we train the model for all the sign languages .S ,it used by all the countries with different languages. |
| NFR-5 | **Scalability** | The system gives output rapidly .It also predicts quickly when it gets so many inputs at a time .It predicts different types of sign language at a time. |