

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

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| Date | 13October 2022 |
| Team ID | PNT2022TMID11020 |
| Project Name | Project –IOT Based Personal Assistance for Seniors Who Are Self-Reliant |
| 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 Requirements | Medical protection Health Information System Monitor Patient status , Temparature and Blood Pressure ,Pulse rate checking System. |
| FR-2 | User Registration | Manual Registration Registration through Web page Registration through Form Registration through Gmail |
| FR-3 | User Confirmation | Confirmation via Phone Confirmation via Email Confirmation via OTP |
| FR-4 | Payment Options | Cash on Delivery Debit Card/Credit Card Net Banking , Paytm Wallet and UPI |
| FR-5 | Product Delivery and Installation | Door Step Delivery Take Away Free installation |
| FR-6 | Product Feedback | Through Web Page Through Phone Calls Through Google Forms |

Non-functional Requirements:

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

| FR No. | Non-Functional Requirement | Description |
|--------|----------------------------|---|
| NFR-1 | Usability | Have a clear and self-explanatory manual. Easier to use |
| NFR-2 | Security | Application has to be secured with 2 step authorisation Passwords and passkeys will be assigned as per the users need. |

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| NFR-3 | Reliability | Hardware require a regular checking and service Software may be updated periodically Immediate alert is provided in case of any system failure. |
| NFR-4 | Performance | The application must have a good interface The system provides acknowledgment in just one second once the 'patient's information is checked. |
| NFR-5 | Availability | All the features will be available when the user requires. It depends on the patient's need and the user's customisation. |
| NFR-6 | Scalability | The product has to cover all the space of isolation wards Irrespective of the size or area of a medical field |