**Project Design Phase-II**

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

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| Date | 19 October 2022 |
| Team ID | PNT2022TMID04548 |
| Project Name | Inventory Management System for Retailers |
| Maximum Marks | 4 Marks |

**Functional Requirements:**

Following are the functional requirements of the proposed solution.

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| --- | --- | --- |
| **FR No.** | **Functional Requirement (Epic)** | **Sub Requirement (Story / Sub-Task)** |
| FR-1 | **User Registration** | The user is registered through his/her Mobile Number or email. All the required relevant details are got from the user |
| FR-2 | **User Confirmation** | Confirmation of Mobile Number of the user via OTP . Or using the OTP sent to email |
| FR-3 | **Product Management** | Quick to track the available stock and get product information (sold and available). Easily produce reports for single or multiple sold products. |
| FR-4 | **Corrections & changes** | Able to make transaction’s insertion, modification, deletion, cancellation, and error checking. |
| FR-5 | **Requirements for searching/reporting** | How users can search for and obtain data that is described in this area of the requirements. |
| FR-6 | **Backup & Restoration** | The data is frequently updated to a cloud. This is very useful to access the application from anywhereThis feature will be necessary if your machine crashes and all of your data is lost. |

**Non-functional Requirements:**

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

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| **FR No.** | **Non-Functional Requirement** | **Description** |
| NFR-1 | **Usability** | How well does the software’s implementation match the system’s intended use. |
| NFR-2 | **Security** | How will data be stored, and who will have access to it. |
| NFR-3 | **Reliability** | The chance and percentage of the software working without failure for a given number of uses or period of time is referred to as reliability. |
| NFR-4 | **Performance** | It is a measure of how quickly a system responds to data requests based on throughput and utilization. |
| NFR-5 | **Availability** | This feature specifies how long the system operates, how long it takes to fix a problem, and how long it takes between lapses. |
| NFR-6 | **Scalability** | Enjoy better performance without the hassle of relying on too many staff members for stock management. |