**Project Design Phase-II**

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

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| Date | 13 October 2022 |
| Team ID | PNT2022TMID14633 |
| Project Name | Project - 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 | Registration through Form  Registration through Gmail  Registration through LinkedIN |
| FR-2 | User Confirmation | Confirmation via Email  Confirmation via OTP |
| FR-3 | Transactions processing | Transaction processing systems provide an execution environment that ensures the integrity, availability, and security of data. |
| FR-4 | Authorization levels | Authority levels provide a method of grouping privileges and higher level operations for maintaining database managers and utility operations. |
| FR-5 | External interfaces | The External Interface enables client applications to start and converse with applications that are running. It is therefore a method of enhancing an existing application by adding a graphical or other modern interface. |
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**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** | Usability defines how difficult it will be for a user to learn and operate the system. Usability can be accessed from different points of view. |
| NFR-2 | **Security** | Security requirements ensure that the software is protected from unauthorized access to the system and its stored data. |
| NFR-3 | **Reliability** | Reliability defines how likely it is for the software to work without failure for a given period .It decreases because of bugs in the code, hardware failures, or problems with other system components. |
| NFR-4 | **Performance** | Performance is a quality attribute that describes the responsiveness of the system to various user interactions with it. Poor performance leads to negative user experience. It also jeopardizes system safety when overloaded. |
| NFR-5 | **Availability** | Availability is gauged by the period that the system’s functionality and services are available for use with all operations. |
| NFR-6 | **Scalability** | Scalability requirements describe how the system must grow without negative influence on its performance. This means serving more users, processing more data, and doing more transactions. |