**Project Design Phase-II**

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

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| **Date** | 19 October 2022 |
| **Team ID** | PNT2022TMID37704 |
| **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 |
| FR-2 | **User Confirmation** | Confirmation via Email |
| FR-3 | **Business regulations** | Many needs may fit under this category |
| FR-4 | **Product management** | Easily track product information  Quickly produce reports for single or multiple sold products |
| FR-5 | **Audit Monitoring** | The technique of tracking crucial data is known as audit tracking |
| FR-6 | **Historical Data** | Specify the amount of storage you need to handle this expansion |

**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** | * User-friendly and overall satisfaction of the user while using this website. * Backups for database are available. |
| NFR-2 | **Security** | * The security requirements deal with the primary security. only authorized users can access the system with user name and password of administrator . |
| NFR-3 | **Reliability** | * The system should use a reliable database management system. * All database updates must be dependable. |
| NFR-4 | **Performance** | * Easy tracking of records and updating can be done . |
| NFR-5 | **Availability** | * The software will be available only to administrator of the organization and the product as well as customer details will be recorded by him. He can add customers, Update and delete them as well as add new products and manage them |
| NFR-6 | **Scalability** | * The ability of a system to handle a growing amount of work |
| NFR-7 | **Portability** | * The software is a web based application and is built in PYTHON and SQL so it is platform independent and is independent of operating system. |