**Project Design Phase-II**

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

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| Date | 03October 2022 |
| Team ID | PNT2022TMID50302 |
| Project Name | Project – Inventory Management 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 | User inventory details | Retail inventory management tools and methods give retailers more information on which to run their businesses  Applications have been developed to help retailers track and manage stocks related to their own products.  The System will ask retailers to create their accounts by providing essential details. Retailers can access their accounts by logging into the application. |
| FR-4 | User Verification | Once retailers successfully log in to the application they can update their inventory details, also users will be able to add new stock by submitting essential details related to the stock.  The System will automatically send an email alert to the retailers if there is no stock found in their accounts.  So that they can order new stock. |
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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** | The usability interface is a quality attribute that is used to evaluate the convenience of people in obtaining information on a product, system, or service.  It measures the usability of the existing website design interface and compare the usability value with the improved website design interface. |
| NFR-2 | **Security** | It is of central importance for optimum warehouse management because the performance of a company stands or falls with the safety and efficiency of a warehouse.  Keeping these items secure from damage and theft is imperative in order to meet all shipment deadlines and to keep inventory and production costs down. |
| NFR-3 | **Reliability** | The retailer is responsible for maintaining a stock level that will allow an acceptable service level for the customer.  Managing inventory, retailers meet customer demand without running out of stock or carrying excess supply. |
| NFR-4 | **Performance** | It is calculated using the ratio of the value of purchased stock to the value of stock on hand. The metric, number of inventory turns, aims to measure the movement of stock. The higher the turnover, the less time your inventory spends sitting in storage. |
| NFR-5 | **Availability** | Holding the right amount of inventory to meet demand while keeping logistics and storage costs as low as possible.  The complex and dynamic retail environment, real-time stock availability management helps optimize inventory levels, reduce costs, and improve profitability. |
| NFR-6 | **Scalability** | It is the systematic process of right quantity products by one area where scaling really counts. It provide with a stock benefits and select a inventory system that provides only what the company needs at that time. |