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

Date	03 October 2022
Team ID	PNT2022TMID21282
Project Name	Project - Inventory Management System for Retailers
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 Registration	Registration through Phone number Registration through Gmail Registration through LinkedIN
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Adding new stock	Enter stock details such as quantity Confirmation Amount of purchase
FR-4	Monitoring stocks	List of stocks option Quantity of desires stock to be displayed Alert when insufficient stock through Mail acco
FR-5	Analysing stock patterns	Statistics display the pattern at which a certain stock is sold. Visualisation with graphs

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	The application is user friendly for the users. The details of each stock are displayed clearly. It is easy to add a new stock into the inventory.
NFR-2	**Security**	Only the required users are allowed to view the stock details by creating an account. A login credential is allocated to the registered users.
NFR-3	**Reliability**	An alert is sent to the user through their registered email account when a shortage in a stock is detected. Stock analysis and visualisation is done to ensure better understanding of the stock.

NFR-4	**Performance**	Calculation of stock out, inactive stocks, lost sales, carrying cost of inventory and order cycle time are determined.
NFR-5	**Availability**	The application ensures that the stocks are available for customer orders. Demand forecasting makes sure that the out of stock is determined before hand for smooth business.
NFR-6	**Scalability**	The application can support many users without any delay or crash.