

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

Date	03 October 2022
Team ID	PNT2022TMID00394
Project Name	Project - Retail Store Stock Inventory Analytics
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 Form Registration through Gmail Registration through LinkedIn
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	User Login	Login with username Login with password
FR-4	Profile update	Update the user credentials Update the Contact details
FR-5	Uploading Data	Collect the customer details as well as product details Upload the product details This model predicts the best sold products and also it analysis the available stocks
FR-6	Recommendation	User will request for Item Get the Item recommendations

**Non-functional Requirements:**

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

FR No.	Non-Functional Requirement	Description
NFR-1	<b>Usability</b>	They are more likely to have enough inventory to capture every possible sale while avoiding over stock and minimizing expenses. This model can be supported on both desktop and mobile browsers
NFR-2	<b>Security</b>	This can be used only by the users who have their proper login credentials

NFR-3	<b>Reliability</b>	Avoid over or under stocking Ensure accurate inventory valuation Prevent order delays Reduce dead stock
NFR-4	<b>Performance</b>	In a departmental store, the billing technique is digitalized . The database of the customer that is the name of the customer, mobile number, address and the purchase details of the customer are included in dataset. From this, the model can predict the deadstock and highly profitable stocks. The accuracy of this model will be ensured by checking multiple times
NFR-5	<b>Availability</b>	This model is suitable for all kind of retail stores. It Can Give retailers real-time visibility into stock levels,avoid stock outs, keep inventory carrying costs low and help meet customer expectations
NFR-6	<b>Scalability</b>	Many users can access at the same time without any issues. The feedback of the users will be taken and be proceeded further up to the satisfaction of the user.i