

## Project Design Phase-I Problem – Solution Fit

Date	1 October 2022
Team ID	PNT2022TMID02676
Project Name	Project - Inventory Management System for Retailers
Maximum Marks	2 Marks

### Problem – Solution Fit Template:

Define CS, fit into CC	<b>1. CUSTOMER SEGMENT(S)</b> <span style="float: right; background-color: #f08080; padding: 2px 5px;">CS</span>  Our proposed model targets the distributors, wholesalers, manufacturers and retailers to track their stocks.	<b>6. CUSTOMER CONSTRAINTS</b> <span style="float: right; background-color: #f08080; padding: 2px 5px;">CC</span>  Too much stock on hand can be just as hazardous as not enough. Overstock negatively affects a company's cash flow and causes issues with storage and loss of inventory. Also doesn't come to know about the stocks which is to be short.	<b>5. AVAILABLE SOLUTIONS</b> <span style="float: right; background-color: #f08080; padding: 2px 5px;">AS</span>  It is laborious and unsafe to manage inventory with paperwork and manual procedures. Additionally, scaling across several warehouses with a lot of goods is difficult. Provide workers with the appropriate inventory tools for the job. Software is required to replace manual inventory tracking, and purchase orders and invoices must be processed without the use of paper.	Explore AS, differentiate	
	<b>2. JOBS-TO-BE-DONE / PROBLEMS</b> <span style="float: right; background-color: #f08080; padding: 2px 5px;">J&amp;P</span>  The problem faced by them is that it is difficult to manage the large amount of inventory data. They have maintain the hardcopy of the inventory, it is difficult to organize properly. Pen and paper work is too tedious.	<b>9. PROBLEM ROOT CAUSE</b> <span style="float: right; background-color: #f08080; padding: 2px 5px;">RC</span>  Difficulty in managing the large amount of stocks using pen and paper and struggles in managing the stocks data without centralized data storage.	<b>7. BEHAVIOUR</b> <span style="float: right; background-color: #f08080; padding: 2px 5px;">BE</span>  It is time-consuming, redundant, and prone to errors to use manual inventory tracking techniques across various programmes and spreadsheets. An integrated central inventory management system with accounting capabilities might be helpful for even small retailers.		Focus on J&P, tap into C
	<b>3. TRIGGERS</b> <span style="float: right; background-color: #008000; padding: 2px 5px;">TR</span>  This inventory management method will inspire distributors, retailers who own markets or wholesale enterprises by making them to handle the data easily.	<b>10. YOUR SOLUTION</b> <span style="float: right; background-color: #000080; padding: 2px 5px;">SL</span>  Our aim is to design the inventory management system to increase the scalability of the retailers business with the help of automated inventory management system and also aim to save the time. The customer can able to track the sold stocks and availability of stocks. They get notified when the stock is about to end.			
<b>4. EMOTIONS: BEFORE / AFTER</b> <span style="float: right; background-color: #008000; padding: 2px 5px;">EM</span>  Before: Depressed, Worn out of managing stocks. After : Stress less, Enthusiastic in works.	8.2 OFFLINE Collecting feedbacks to improve the efficiency of the system.				