Project Design Phase-I Proposed Solution Template

Date	21 September 2022	
Team ID	PNT2022TMID05020	
Project Name	Project – Inventory Management system for	
	retailers	
Maximum Marks	2 Marks	

Proposed Solution Template:

Project team shall fill the following information in proposed solution template.

S.No.	Parameter	Description		
*	Problem Statement (Problem to be solved)	 The retailers generally facing issues in recording the stocks and its threshold limit available. The retailers doesn't know which product is getting expired and when it is being expired. The retailers couldn't track the availability of all the stocks up-to date. The customers are not satisfied with the retailers store since it doesn't have enough supplements and the deliveries were not made on time. 		
*	Idea / Solution description	 This proposed system will have a daily update system whenever a product is sold or it is renewed more. The system will have an alert triggered to indicate both the expired product and soon going to expire products. The product availability is tracked daily and an alert system in again kept on to indicate those products which falls below the threshold limit. All the customers can register their accounts after which they will be given a login credentials which they can use whenever they feel like buying the stocks. The application allows the customers to know all the present time available stocks and also when the new stock will be available on the store for them to buy. Tracking the order have become easy with this application for both the retailers and the customers. 		

*	Novelty / Uniqueness	Certain machine le	arning algorithms
		are used to predict	
		selling products wh	_
		available during th	
		 Prediction of the b 	est selling brand of
		all certain products	based on their
		popularity, price ar	nd customer trust
		and satisfaction wi	ll be implemented.
		 Notifications will b 	e sent to the
		retailers if any prod	
			en looking for is not
		available so that th	e product can be
		stocked up soon.	
		 Notification will be 	
		customers who bu	•
		products regularly	
		arrivals are stocked	
			and offers are given
		for regular custom	•
*	Contail Improprié / Country and Coult fourt	engaged with the s	
*	Social Impact / Customer Satisfaction	The customers will since the westing of	- ·
		since the wasting o	
		reduced.	available product is
		 The work load of the 	ne retailers will be
		minimized if the sy	
		every day and duri	
		 The customer satis 	•
		improved for getti	
		response from the	
		too immediately.	
*	Business Model (Revenue Model)	Hereby we can pro	vide a robust and
		most reliable inver	tory management
		system by using:	
		1. ML algorith	
		·	purposes using all
		•	taset since datasets
			otedly available in
		huge amou 2. Can deploy	
		appropriat	
		advertising	
			h a loss preventing
		strategy.	
		<u> </u>	ure the all time, any
			lability of products
		system.	. ,
		·	eebies business
		5. Usage of it	
			r dragging the
		strategy fo	
		strategy fo	r dragging the

Scalability of the	e Solution	•	This system can even work more efficiently with large volume of data. Implementation of anyone and anywhere using system can be helpful for even a commoner to buy the products. Daily and Each time purchase updation of the stock for preventing inventory shrinkage. • Direct chat system with the retailers and the customers for providing best customer service.
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