

S.NO	TITLE OF THE PROJECT	ADVANTAGES	DIS ADVANTAGES	TECHNOLOGY USED
1.	Research on the Optimization of Retailer Inventory Strategy based on System Dynamics Simulation	Supply chain inventory management system is an integrated system, and the operation process of the supply chain is much more complex in reality than a simulation model. This paper focused on a two-stage supply chain inventory management system and it was simplified rationally. We used vensim software to establish models and simulate the system and provided some better supply chain inventory operation projects by adjusting the value of Apt, Dpd, Dst and other parameters. And the retailer inventory storage strategy was optimized under uncertain environment ultimately	One of the most common issues of robust inventory management is two-fold: overselling of a product and running out of the inventory. While making use of the seasonal and historical data can help predict the orders, it requires a software-based approach to inventory management in logistics. These pestering issues find a solution in inventory management software for businesses.	Vensim software-visual modeling tool

2.	Development of Inventory management System	In the design of storage management system model based on multi-Agent in this paper, we use a hierarchical federation multi-Agent system organization structure and the cooperation among Agents is based on improved contract net protocol, which enhances system performance on the whole	When a task can not be finished in time, the system can reallocate the task independently . After a task is allocated, the original task needs to be undertaken by another Agent due to some unexpected matters, the system will reallocate the task.	Agent technology into domestic storage management
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3.	Inventory management with three suppliers under yield uncertainty and loss-aversion	Business usually faces the problem of uncertain demand, uncertain capacity, uncertain supply, time-effective, a short selling season and uncertain lead time, and so on.	The first supplier is cheaper but unreliable. The second is more expensive by offering a supply option. The third supplier is the most expensive as he serves as an emergency supplier. Besides, we take loss-aversion into consideration	Risk neutral system
4.	The Optimal Replenishment Policies under VMI System with Multi-retailer and Multi-period Random Demand	Vendor Management Inventory (VMI) is an advanced management model of supply chain's inventory, and it is also an important direction for the supply chain's development. In this paper, we first proposed a 0-1 integer programming model to find optimal replenishment policy of the multiretailer with multi-period random demand under VMI supply chain system.	To cope with the problem, this programming model is transformed to a network model. So the SWMR replenishment policy problem is changed to a shortest path problem. A shortest path algorithm is proposed based on the network structure	Vendor-Managed Inventory (VMI) is a new supply chain management method.

5.	Effects of Yield and Lead-Time Uncertainty on Retailer-Managed and Vendor-Managed Inventory Management	This generation of train control detects the train by use of track circuits and wayside signal guides the train operators on movements along the track, if the wayside signal displays an eminent danger, the trip stops. With this train control concept, virtually all of the train control logic and equipment is located on the wayside, with train borne equipment limited to trip stops.	PTC cyber security Cybercrime is a growing threat to infrastructure.	positive train technology also referred to as PTC .
6.	The Optimal Replenishment Policies under VMI System with Multi-retailer and Multi-period Random Demand	The terminals are required to have a long battery life for covering some areas in which power supply is not available. The terminals deployed near catenary can use power supply, but there are many cases in which the terminals should rely on its battery.	A limited coverage for collecting condition information .	GSM-R and will feel more familiar with LTE

7.	Research paper on Inventory management system	This paper presents an alarm about the information section in the bill which in view of desktop application. It's a straightforward desktop application in which the network to the immediate distribution center with the goal that information ought to be refreshed in store for the confirmation.	A Security issue	Research strategy
8.	A Study of Inventory Management	The Inventory management is significant for any manufacturing organization. It helps the organization in smooth running of its activities and in reducing the cost of managing the inventory.	Existing inventory management system of the organization is good but if inventory management system is to be improved they should adopt some new inventory management system	Data Analysis & Interpretations
9.	A Review of Inventory Management System	It's a simple desktop application that links to the actual distribution centre, allowing information to be refreshed and confirmed in the store. It's a secure application that prevents data from being spoiled in the stores. I	due to weak sales and inventory, the store has difficulty to determining the quantity sold per day for each item as well as the available inventory level of the items. It's difficult to keep the records manually	FIFO and LIFO

10.	Choosing the right inventory management system for your eCommerce business	Ability to handle large, complex supply chains ,Ability to handle complex data streams, Advanced warehouse and location management, Repetitive tasks can be automated ,End-to-end workflow management , Greater data security , Integratable with complementary business systems.	Higher cost, Longer set-up and training times required, Complex workflows, Custom coding to integrate additional systems may be required, Advanced functionality that may not be needed	ERP Systems
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