LITERATURE SURVEY

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Tariq Sheakh [1], “A Study of Inventory Management System Case Study”(2018). He declares, finding the number of inventories that will satisfy demand while preventing overstocks is the goal of inventory management. This paper, discusses an inventory management case study for the small-scale steel manufacturing business. Based on inventory days and return on asset (ROA) studies, the relationship between inventory management and corporate performance was established.

Punam Khobragade, Roshni Selokar, Rina Maraskolhe, Prof.Manjusha Talmale[2], “Research paper on Inventory management system”(2018). They suggested a solution that would shorten the process by getting rid of paperwork, human error, and manual delays. A store owner can use an inventory management system to keep track of sales and available stock, as well as to determine when and how much to reorder. The created Inventory Management System, a Windows application for Windows operating systems, concentrated on inventory control and produced all the necessary reports.

RajeshBose, HaraprasadMondal, IndranilSarkar, Sandip Roy[3] “Design of smart inventory management system for construction sector based on IoT and cloud computing”(2022). Barcodes have made significant contributions to contemporary inventory management systems. According to their research, there may be a way to approach barcode-based designs by combining them with Cloud Computing, wireless station nodes based on Arduino, IoT, and a secure form channel to access data through a specific web portal. By utilising the created model, the authors of this research have suggested a novel strategy and shown how it might assist the construction industry in managing inventories of crucial form work shuttering goods. The outcomes of their study can be applied

to other regions as well, despite the fact that the background of their research is focused on Indian construction enterprises.

Xiaojun Jing, Peng Tang[4], “Research and Design of the Intelligent Inventory Management System Based on RFID”(2013). The characteristics and fundamental applications of RFID technology are introduced in this paper. The data flow of the intelligent inventory system is then examined from the points of view of business and function, and specific framework applications and function modules of the intelligent inventory management system based on IOT RFID technology are then presented by the authors. The design and implementation process of the intelligent inventory system are then elaborated.

Ajay Akarapu, Chandrakanth Reddy Dasari, Nagaraju Deshini, Sushmita Mamidi[5], “Smart Inventory Management System”(2015). The suggested system is a software program that eliminates the need for additional human record-keeping and report-generating time. This suggested application maintains the data in a central location that is simultaneously accessible to all users. Managing historical data in a database is extremely simple. The use of this application by the staff does not require any special training. They may easily utilise the tool. The fact that the data is centralised makes it very simple to keep track of the various goods' stockpiles across all godowns.

Yang Fan[6], “Development of inventory management system”(2010). This paper introduces agent technology into domestic storage management and uses the autonomy, reactivity, and sociality of agents to define interaction and cooperation mechanisms among different agents, realising the vital link among enterprises, achieving the goal of reducing and even eliminating inventory, making it a practical idea and method for enterprises to realise appropriate storage planning. This work primarily designs a multi-agent storage management system model and covers the system's primary agent cooperation mechanisms.

Qiu Xiaoping, Du Weifeng, Tang Li, He Zhenggang[7], “ The Development of Inventory Management Information System Based on Workflow

Technology”(2009). This paper the authors have highlighted the issue that existed in the enterprise's current use of the inventory information system and analysed and redesigned the system based on workflow technology. The inventory management information system, along with the data structure and the detailed data, is created by analysis of the workflow relation data and is controlled by the workflow engine. Finally, they conducted an experiment to verify the efficiency of the new information system and assess the capacity for adapting to changes in business processes, which offers an optional information pathway to other similar business processes for the firms.

Rashidah Funke Olanrewaju, Ahmad Irham Dollah, Binyamin Adeniyi Ajayi[8], “Cloud-Based Inventory System for Effective Management of Under and Over-stock Hazards”(2021). They suggested a cloud-based integrated inventory system that makes use of the PHP and MySQL programming languages and databases. Using HTML, JavaScript, and Cascading Style Sheets, interface design is created. The entire system has been made available to OSCent and has been graded based on its performance, security level, functionality, and user interface. The suggested system offers open-source software and a low-cost solution that are affordable for OSCent in particular, despite the fact that comparable solutions for the inventory system are currently available on the commercial market.

Cinthya Vanessa Munoz Macas, Jorge Andres Espinoza Aguirre, Rodrigo Arcentales-Carrion, Mario Pena[9], “Inventory management for retail companies: A literature review and current trends”(2021). In the proposed paper, the key trends and indicators of inventory management in Small and Medium-sized Enterprises were identified through a comprehensive examination of the literature. With a specific focus on the retail industry, this study spans five years, from 2015 to 2019. The main results of this study include the top inventory management models and systems, the Key Performance Indicators (KPIs) for managing them effectively, and the advantages and difficulties of selecting or implementing an effective inventory control and management system.

Xiaoyu Zhu, Xiaojiu Li[10], “Study on a New System for Inventory Control”(2008). This study analyzes a novel approach to inventory management in the apparel sector that makes use of dispersed agents and planning. A system can be designed and implemented to take use of agent entities by using multi agent systems (MAS), a term used to describe the integration of many types of agents into different systems. They have decided to utilise agents in a retail inventory management system as a decision-support tool.

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