DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

IBM - LITERATURE SURVEY PROJECT TITLE

INVENTORY MANAGEMENT SYSTEM FOR RETAILERS

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| **S.NO** | **TITTLE OF THE PROJECT** | **ADVANTAGE** | **DISDAVANTAGE** | **TECHNOLOGY USED** |
| 1. | Inventory management for retail companies: A literature review and current trends | The decrease in monetary loss, higher operating performance, and a higher profit rate. | It is important to mention that all retailers may not be able  to employ these technologies due to their high cost of  implementation and maintenance. | Small and medium-sized enterprises  [smse] |
| 2. | Study on a New System for inventory Control | This  motivated us to create the actual production system for  the store. The system is capable of maintaining a database  of inventory plans | In  the future especially with the growing economy and  the growth of the Internet. The future of such systems  lies in creating a component that can negotiate online  orders for restocking inventory with online suppliers | This work stems from our prior work in simulating a MAS inventory system, then implementing the system for production use. |
| 3. | Design and Implementation of a Store Management System | This store administration framework ceaselessly screens, and it consequently gives ready when it times to restock the items or the check of items is getting diminished. | Store administrations engage a retailer to convey more engaged and upgraded shopping knowledge for the in-store retail clients. | The manual process involving collecting data will be replaced by automation and companies can get data in real time with no manual intervention and encoding. [RFID] |
| 4. | Case Study on an Android App for Inventory  Management System with Sales Prediction for  Local Shopkeepers in India | Thus, it is advantageous to have a mobile application that not only assists with inventory and invoice operations but also helps with sales analysis. | The more and more data are fed into the database the accuracy of the data mining model will improve and regression analysis will be presented with over a 96% accuracy. | The retail sector has widely adapted different inventory management applications and some retail chains even employ prediction software |

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| 5. | A Proficient Process for Systematic Inventory  Management. | which will include more attributes for analysis, thus including the number of attributes can increase the accuracy of the overall system and bring in more accurate results for correlation and trend analysis. | The verification and analysis process for the inventory improved that resulted in making better decisions leading to higher profitability and efficiency. | Data analytics algorithms such as regression modeling, market basket analysis, and other machine learning techniques to provide an all-round solution to their needs. |
| 6. | Base-Stock Distributed Inventory Management in Continuous-Review Logistic Systems – Control System Perspective. | The continuous-review systems, managed  according to the base-stock inventory policy implemented in a  distributed way, were considered. | The reference level so that full satisfaction of uncertain demand is obtained was indicated. | The fundamental serial and treelike settings, a multi-echelon mesh topology of interconnected  actors (suppliers, distribution center, retailers) is considered. |
| 7. | Development of Inventory management system. | It can carry out task allocation independently when accepting tasks. It can distinguish commodity kinds for the tasks submitted by users and look for suitable task undertakers according to the grades | 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. | It introduces Agent technology into domestic storage management and uses the autonomy, reactivity. |
| 8. | INVENTORY MANAGEMENT INFORMATION SYSTEM DEVELOPMENT AT BPRTIK KEMKOMINFO JAKARTA | Inventory Management Information System is able to  facilitate the performance of the division of state property  and asset inventory management process starts from the  process control, maintenance, filing, purchasing, external  service, reception, assignment to the reporting process. | With this system, the data is stored directly into the database so it will minimize the possibility of loss or damage data. | Rapid Application Development (RAD) and Object-Oriented Approach using Unified Modeling Language (UML) were used as the system development and design methods respectively. |

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| 9. | Study on Auto enterprise inventory management | It can internally ensure the high-quality parts supply to the original auto manufacturing enterprise, and can provide the distribution of other car enterprise and storage business, in a way of the third party logistics operation. | To improve the present stock situation of the car enterprises, they should not only strengthen their internal supply chain management, but also strengthen the coordination and cooperation between supply chain enterprises and the whole coordination countermeasures so as to improve the management level of the inventory. | Car companies, Inventory management, Strategies. |
| 10. | RFID BasedLab Inventory Management System | Radio Frequency Identification (RFID) technology recognizes persons or items with the help of radio waves [1]. RFID is the evolving mechanism which is being implemented in almost every field. It is a contact-less communication mechanism | The system is a cost-effective solution for inventory management using RFID technology as its backbone. With a software and hardware component, this system allows multiple antennae to be connected to one RFID reader to offer a wide coverage for the tracking of inventory. | Radio Frequency Identification. (RFID) |