

Literature Survey

Inventory Management System for Retailers:

INTRODUCTION:

Retail inventory management is the process of ensuring you carry merchandise that shoppers want, with neither too little nor too much on hand. By managing inventory, retailers meet customer demand without running out of stock or carrying excess supply. In practice, effective retail inventory management results in lower costs and a better understanding of sales patterns. Retail inventory management tools and methods give retailers more information on which to run their businesses. Applications have been developed to help retailers track and manage their products' stocks. The System will ask retailers to create their accounts by providing essential details. Retailers can access their accounts by logging into the application.

Once retailers successfully log in to the application they can update their inventory details, also users will be able to add new stock by submitting essential details related to the stock. They can view details of the current inventory. The System will automatically send an email alert to the retailers if there is no stock found in their accounts so that they can order new stock.

REFERENCES:

Title and Author	Published On	Proposed Approach
A secure and efficient inventory management system for disasters Published by Elsevier Ltd	October 2011	An efficient humanitarian inventory control model and emergency logistics system that plays a crucial role in maintaining a reliable flow of vital supplies to the victims located in the shelters, minimizing the impacts of the unforeseen disruptions that can occur.
Inventory Management Information System in Blood Transfusion Unit Authored by Fitra Lestari, Ulfah , Fitri Roza Aprianis and Suherman	December 2018	Provide services to consumers while solving the problem of unbalanced blood supply information and consumer demand. Build an information system model using the system development life cycle approach to manage blood demand.

<p>A Material Management in Construction Project Using Inventory Management System</p> <p>Authored by M. Ashika</p>	<p>November 2019</p>	<p>Prepare a scheme of material management in the construction industry for building projects also conducting a survey of the industry and determine the various format for construction material management. As well as talk about the tracking system of material management in the industry and also discuss the software development for proper management</p>
<p>Cloud-Based Inventory Management System Using a Smart Trolley for Automated Billing and Theft Detection</p> <p>Authored by B. Karunakara Raj, J. P. Harshitha, Radhika S. Kalagudi, B. S. Priyanka Chowdary, Palak Hora & B. Sahana</p>	<p>February 2019</p>	<p>This paper proposes an architecture of a smart trolley which provides an automated billing, anti-theft system, and facilitates inventory management through a web application. This is achieved on a cloud-based platform using RFID and Wi-Fi technology.</p>
<p>An IoT Quality Global Enterprise Inventory Management Model for Automation and Demand Forecasting Based on Cloud</p> <p>Authored by Athul Jayaram.</p>	<p>December 2017</p>	<p>Industrial Internet of Things (IIoT) collects useful data from machines and sensors which can be used for demand forecasting of the enterprise and automation. The proposed IIoT Quality Inventory Management Model can be used for automation and demand forecasting of inventories.</p>
<p>Effects of yield and lead-time uncertainty on retailer-managed and vendor-managed inventory management.</p> <p>Authored by Soonkyo lee, Young joo kim, Taesu cheong, Seung ho yoo.</p>	<p>December 2019</p>	<p>This paper aims to model the possible relationship(decentralized and centralized) between retailer and salvage retailer. Zero-ending inventory also boosts sales and profit based on the demand formulation.</p>