# Inventory Management System for Retailers
## Literature Survey

### 1.Inventory Management Challenges for B2C E-commerce Retailers

Author Name: Harish Patil, Rajiv Divekar

Objective :

A B2C E-commerce company faces many inventory management challenges such as demand fluctuations which can be caused due to seasonality or product popularity, reverse logistics, stockouts and many more. Due to these challenges an online retailer faces greater risk of loss of sales and loss of customers. Hence it is very important for an online retailer to be aware of these challenges and risks and mitigate the same with the help of proper strategies such as drop ship or hybrid. This will protect the online retailer from various risks and at the same time will also enhance the levels of customer satisfaction.

Reference : [Link](Link)

### 2.Research paper on Inventory management system

Author Name: Punam Khobragade, Roshni Selokar, Rina Maraskolhe, Prof. Manjusha Talmale

Objective:

Generating backup data is a critical process in a project for our shopkeeper. This work can be categorized as time consuming job and need high accuracy when placing the proper materials with its quantity. Moreover the project scalability itself will increase the risk so is the processing time hence can make us loose the control when there is a lot of revision, like drop and insert, that being made.

Reference : [Link](Link)

# 3 .Inventory Management and Its Effects on Customer Satisfaction

AUTHOR NAME: Scott Grant Eckert

Objective:

This study examines inventory management and the role it plays in improving customer satisfaction. It looks at how food companies have been under pressure to streamline their inventory systems, and the consequences of such actions. It also examines how many retailers are trying to implement a "perfect order" system and how suppliers are constantly under pressure to meet the demands of these retailers. Many food companies are, therefore, looking at various inventory management systems as they belief this will have a positive effect on the satisfaction of their customers. The paper also outlines the methodology used in the research and concludes by pointing out the limitations of the research as well as suggestions for further research

Reference: [Link](Link)

# 4. .Simulation of inventory management systems in retail stores

Author Name : Puppala Sridhar, C.R.Vishnu, R Sridharan

Objective:

Inventory management has become a key factor in today's world of uncertainty, particularly in the retail sector. Accordingly, there is a high requirement of managing and controlling the inventory with appropriate policies to elevate the organisation's performance. In fact, a proper system has to be implemented for monitoring customer demand. This system will, in turn, assist in maintaining the right level of inventory. In this direction, the present research focuses on a retail store and explores a solution for an inventory-related problem experienced by the firm. A simulation model is developed and run for particular merchandise using Arena simulation software.

Reference: [Link](Link)

## 5. Inventory Management and Performance of SMEs in the manufacturing sector.

Author Name: Muchaendepi, Hamandishe, Kanyepe

Objective:

The research established that most SME's use the Just-In-Time method of inventory management and do not have knowledge on the other computerized systems and methods. Since companies use JIT method, SME's face challenges in the supply chain as they always have to make sure they have constant communication with their suppliers and also to reduce the time in which they receive materials. However, due to lack of computerized communication, they have to make orders when they are needed which would make delays to the customer. Due to the finding, the researchers concluded and also made request for further studies on specific areas which needed more time and clarity.

Reference: Link