

Government College of Engineering-Srirangam

**DATA ANALYTICS IN RETAIL
STORE STOCK INVENTORY
ANALYTICS.**

LITERATURE SURVEY-1

TEAM MEMBERS

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S.NO	Title	Year of Publication	Problem Identification	Drawbacks
1.	Retailing and retailing research in the age of big data analytics	2019	Big data analytics in retail not only has the potential to improve the operating margins of companies by 60% but revolutionize all areas of retail. (Marnik G. Dekimp e)	In the retail industry, big data analytics helps companies collect and analyze customer purchase history and preference data.
2.	Berkah Swalayan (SME Market)	2018	Information system of business and forecasting on sales, low –cost purchases , and minimize inventory.(Al - Husaini et al.)	Thus, a conducive business environment would need to be further enhanced to foster innovative and creative SMEs that would become competitive amidst the challenges of the global market
3.	IMPACT OF BIG DATA ON THE RETAIL INDUSTRY	2011	The variables considered in this study are based on the current state of	The final recommendation is to research and analyse the company's

			data analysis in the retail sector. (A.Seetharaman)	performance in terms of the financial and operating benefits that companies can achieve with data analysis.
4.	Amigo Group	2013	Forecasting product sales in seven stores using the hierarchical time series forecasting method. (Kartikasari & Suhartono)	Order point are the delivery time stock which is the Inventory needed during the lead time
5.	Ciputra	2020	To get the number of forecast sales in the coming year. (Budiharji & Hadikumiawati)	Inability to enjoy economies of scale

6.	Development of Pressure Sensing Array System for Retail Inventory Management	2020	Pressure sensing system for real Time monitoring of inventory on the retail shelves and it also includes labor intensive stock taking procedures and mismatching of goods in retail store as compared to system record.	Potentials miscounting of the goods and mismatching with system records
7.	Empirical evaluation of IRI mitigation strategies in retail stores	2022	This study evaluates the effectiveness of mitigation strategies currently employed by retailers to manage operational issues related to inventory record inaccuracy (IRI) in retail stores	It is important to note that different IRI mitigation strategies may require firms to re-design or re-organize their business processes.
8.	Study on Inventory Management Optimization of small and Medium Sized retail companies in the context of new retail	2021	Due to company growth, the current inventory system not suitable. It must be in on line mode and off line mode.	Overstock goods occupy a large amount of funds. 3.Cash flow difficulty

	:based on AHP			
9.	Effective uses of retail store management system for small retail store	2021	They should also be sold quickly before the expire	Fixed basic issues such as storage on racks, sales system issued due to contamination and stocks.
10.	Pack size effects on retail store inventory and storage space needs	2021	Systematically Investigates the effect of pack size constraints on in - store inventory and storage space needs.	Orders will be placed less often and therefore new merchandise will arrive less frequently at the store