PAPER DETAILS	ABSTRACT	EXPLAINATION
A Model Proposal for Big Data Analytics in the Retail Sector of Bangladesh Ahmed Imran Kabir, Faiza Tabassum, Jakowan and Rifat Afrin	This paper attempts to find out the factors that contribute to the success in retail sector of Bangladesh when using big data analytics in their business operations. Recently, there is a driving success in the retail sector in Bangladesh for adopting big data analytics in their operations. So it was necessary for identifying what is/are contributing to this increasing success. To carry out the investigation, 9 constructs were developed including 1 dependent and 8 independent. The 8independent variables "Cost saving", "Increased revenue independent variables and were accepted or rejected based on their beta standardized coefficient score. In conclusion it was seen that, four hypotheses were accepted. The independent variables "cost saving", "increased revenue", "speedy data management", "future demand" were the only contributing factors that drove success in the retail sector for using big data analytics. ", "Speedy data management", "Future demand", "Micro targeting customers", "Better inventory management", "Better pricing management" and "Product development" were expected to be driving the success in retail sector when using big data analytics(Dependent variable). For this, a survey was carried on the mid/higher level employees of organizations with a close ended questionnaire including questions related to the variables. To analyze the survey data a statistical software (SPSS) was used to run reliability tests, multiple regression, and find out the correlations between the independent variables. 8 hypotheses were developed for individual	'Big Data' has shown to be a trending catchphrase in modern Information Technology. However, it is hard to define a sharp cut between the classic notion of data and the novelties introduced by the arrival of Big Data. This short paper defines the seven structural elements underlying the concept of Big Data, highlighting the features that make it truly different from conventional data. To analyze the survey data a statistical software (SPSS) was used to run reliability tests, multiple regression, and find out the correlations between the independent variables.
Data-driven Inventory Management Nina Verbeeke	The explosion in the availability and accessibility of data provides opportunities to improve inventory management within a company. Reviewed studies into the topic of inventory managemen demonstrate that enhancing an organization's inventory management can significantly improve the quality of the outcome of business performance. The literature review confirmed that data analytics can be used to enhance information extraction and decision-making in inventory management. A design process was developed to outline the phases that were followed in this graduation project. The design process of this graduation project consists of five phases: (1) Empathise, (2) Ideate, (3) Converge, (4) Realize, and (5) Evaluate.	Data-driven inventory optimization refers to the collection and use of big data and algorithms in real-time, to manage and optimize inventory levels. The implementation of an IoT platform is critical for accurate data-driven inventory management and optimization. For instance, by utilizing IoT technology, data can be collected about products that have been RFID

		tagged, in order to automate the tracking and reporting of stock. RFID tags are used to encode digital data about a specific product, such as its location and model number etc. This data can be delivered to the cloud by the RFID reader. The cloud stores the location of the item and the model and can deliver this information to any PC or smartphone. This enables the accurate tracking and monitoring of stock by end-users. End-users can see the existing quantities of stock and the location. Furthermore, the IoT system can be configured to provide outputs such as alerts about when a certain product falls below safety levels in real-time, as well as if an inventory item has been lost. This is just one example of a data-driven inventory management solution.
CONTEMPORARY SUPPLY CHAIN AND INVENTORY DATA MANAGEMENT USING DATA ANALYTICS Dr. S. Sai Satyanarayana Reddy, Ch. Mamatha, Priyadarshini Chatterjee and S Nagarjuna Reddy	Inventory data management deals with defining stock for any organization. An inventory data management system is used for guiding the stock management within the organization to reduce the wastage of stock along with the track of records which tend to meet the requirement of end user along with the change in demand which creates a huge response in supply chain management as well advantageous for an organization in production supply time and to keep flexible production schedule. This paper deals with inventory stock data management which concentrates on managing the data in terms of both Volume and Variety of data. As it is concentrated more on data classification and clustering in order to maintain the stock on demand basis which will help to control stock management in an effective way. This paper justifies an approach how data analytics helps in managing the stock data in supply chain environment.	Inventory stock data management is one of the most valuable benefits in supply chain environment which involves the process of ordering and storing raw materials and goods to provide services to the customer. As inventory management deals with huge volume and different varieties of information which seems very complex to handle in the daily basis. Inventory stock should be modified or updated based on the customer retention which changes continues with the change in demand which also adds value to the organization in profits by avoiding wastages in the stock. To update the stock data in the organization one should keep on track with the end user demand time to time which can be done by keep track

		on goods based on First in first out and Last in First Out stock way of request in customer daily life as well the frequency of occurrence in ordering. The right amount of stocking in the inventory is pivotal
Inventory management for retail companies: A literature review and current trends Cinthya Vanessa Muñoz Macas Jorge Andrés Espinoza Aguirre Rodrigo Arcentales-Carrión Mario Peña	In recent years, the correct management of inventories has become a fundamental pillar for achieving success in enterprises. Unfortunately, studies suggesting the investment and adoption of advanced inventory management and control systems are not easy to find. In this context, this article aims to analyze and present an extensive literature concerning inventory management, containing multiple definitions and fundamental concepts for the retail sector. A systematic literature review was carried out to determine the main trends and indicators of inventory management in Small and Medium-sized Enterprises (SMEs). This research covers five years, between 2015 and 2019, focusing specifically on the retail sector. The primary outcomes of this study are the leading inventory management systems and models, the Key Performance Indicators (KPIs) for their correct management, and the benefits and challenges for choosing or adopting an efficient inventory control and management system. Findings indicate that SMEs do not invest resources in sophisticated systems; instead, a simple Enterprise Resource Planning (ERP) system or even programs such as Excel or manual inventories are mainly used.	technological, or material resources refers to the performance that companies characterized by the experience gained in their management could obtain over time. Therefore, the correct inventory management has become essential, especially in organizations dedicated to retail . The determination of the optimal inventory level is a fundamental part of the life of organizations due to the high investment that it represents at the time of its acquisition, administration, and maintenance.
INFLUENCE OF INVENTORY MANAGEMENT PRACTICES ON PERFORMANCE OF RETAIL OUTLETS IN NAIROBI CITY COUNTY	Many retail outlets have had a persistent problem in establishing the right inventory levels and they have thus turned to computerizing their systems so as to achieve a balance between responsiveness and efficiency. The main objective of this study was to investigate the influence of inventory management Practices on performance of retail outlets in Nairobi City County. The study was guided by the following objectives; to determine the influence of inventory categorization, inventory planning, inventory processes automation and inventory modeling on the performance of retail outlets in Nairobi City County. This study was guided by a number of theories including; theory of constraint, resource based view theory, strategic choice theory and economic order quantity model. The study adopted a descriptive research design .A sample population of 198 was arrived at by calculating the target population of	Inventory management entails more than simply the forecasting and replenishment of inventory; it also demands the management of inventory to optimize services and profit. Quite often inventory management is merely regarded as an accountancy function, which concerns itself more with inventory valuation than with effective logistics. Many limitations of financial only performance measures are overcome by using the balanced scorecard system, forcing the organization to recognize those activities that contribute to the company's success (Lea, 2016). The purpose of inventory monitoring and measurement should be to provide management with

Achieng James Brown Otieno Dr. Samson Nyang'au Paul (PhD) Lydia KwambokaMbura	407,with a 95% confidence level and an error of 0.05 using the formula taken from Kothari. This study adopted a stratified and simple random sampling technique. Primary data was obtained using self-administered questionnaires while secondary data was obtained using data collection sheet. The researcher personally administered the research instruments to the respondents. The qualitative data from the open-ended questions was analyse using conceptual content analysis and presented in prose. Inferential data analysis was done using regression analysis. The regression analysis was used to establish the relations between the independent and dependent variables. Presentation of the data was in form of tables and graphs based on the major research questions. The study found that ABC Analysis which entails inventory categorization technique is adopted, that their firm practices Just in Time planning, that organization uses Periodic Ordering to manage inventory and that Electronic Data Interchange is used in inventory and that their firm use Bar Coding in transaction. The study also found that firm don't have a Material Requirement Planning System. The study concluded that inventory categorization having the greatest effect on performance of retail outlets in Nairobi County followed by Inventory modeling then Inventory planning while Inventory processes automation having the least effect on performance of retail outlets in Nairobi County. The study recommends that the retail outlets should automate their inventory management systems so as to improve their customer delivery levels, that the retail outlets should make use of automation so as to reduce their operational costs, that the retail outlets invest technology that is most useful to their operations so as to avoid wasting a lot of capital on technology that will never be used and that management has to ensure that industry-specific requirements of some of the inventory management systems (as for the case of JIT) and the obtaining situation are considered before the adoption of the technology.	the necessary information to improve operations and to reduce errors. If the monitoring and measurement process is disregarded or given less than its due consideration, the feedback information on which management depends to determine the effects of its dissensions will be unreliable and will give no indication of the actual quality of the inventory management (Bessant, Jones & Lamming, 2015).
A Study of Inventory Management System of Linamar India Pvt. Ltd, Pune Anajali Mishra & Harshal Anil Salunkhe	The aim of the study is to examine the inventory management process. The significance of this research is based on the benefits that can be obtained by identifying the issues of inventory control. The methodology used are unstructured interviews, on-site study, and annual report analysis. Inventory management is an important area of manufacturing industry. If company fails to manage inventory, they will face failure. It is a challenge for the company to maintain fair inventory. There are various inventory management techniques available for maintaining fair inventory level in the company. The basic objective of this paper is to study about inventory management techniques used in Linamar India Pvt. Ltd. and find out some measures for improvement on inventory management process of the concerned company. The present system of inventory management of the company is good. For improvement of the present inventory	Hong Shen, Qiang. Deng, Rebbaca Lao, Simon Wu (2016) focused on boosting the inventory management to improve the supply chain of the company. Drop in inventory is considered one of the most significant aspects of inventory management. In practice, small inventory level is not always a better solution, so manufacturers need to maintain the correct amount of inventory at the correct level. As mentioned by Sunitha, K. V. (2012) in her thesis, inventory management is vital for keeping costs down, when meeting regulations. It is difficult to balance demand and supply and inventory management to make sure that the balance is untouched. The trained inventory management and good quality software will help make inventory management a victory. The

	management system, company should adopt other inventory management techniques.	ROI of Inventory management has seen better revenue and profits, positive employee ambiance and increase in customer satisfaction. Plinere, D. & Borisov, A.
Research paper on Inventory management system Punam Khobragade* , Roshni Selokar* , Rina Maraskolhe* Prof.Manjusha Talmale	-Inventory Management System is software which is helpful for the businesses operate hardware stores, where storeowner keeps the records of sales and purchase. Mismanaged inventory means disappointed customers, too much cash tied up in warehouses and slower sales. This project eliminates the paper work, human faults, manual delay and speed up process. Inventory Management System will have the ability to track sales and available inventory, tells a storeowner when it's time to reorder and how much to purchase.Inventory Management System is a windows application developed for Windows operating systems which focused in the area of Inventory control and generates the various required reports.	Inventories are raw materials, work-in-process goods and completely finished goods that are considered to be the portion of business's assets that are ready or will be ready for sale. Formulating a suitable inventory model is one of the major concerns for an industry. The earliest scientific inventory management researches date back to the second decade of the past century, but the interest in this scientific area is still great. Again considering the reliability of any process is an important feature in the research activities. Values of some factors are very hard to define or almost unreal. In such cases, fuzzy models of inventory management take an important place.
SALES AND INVENTORY MANAGEMENT SYSTEM RAHMAT BEE ABDUL ALEEM	The retail business vision is to maximize profit from customer satisfaction and loyalty towards the store by providing more personalize service for the customer. However, retail business also easy to lose its possible customer if they do not have sufficient stocks in the store. Thus, in this paper, the developer had identified problem related with inventory that exists in a one of oldest retail store in Taman Majuknown as Rahmath Store. The major problem of the store is they do not have proper inventory control system in guiding and managing their sale and inventory level of the store.	A sales and inventory system is a software-based business solution used to simultaneously track sales activity and inventory. Manufacturers and trade resellers can both benefit from a thorough solution, where a single transaction entry records necessary details on the customer, products purchased, price and date while also updating inventory levels

# INVENTORY MANAGEMENT SYSTEM RAJ KUMAR NEELESH KUMAR SINGH	Inventory management system is an application which is helpful for business operate. Inventory management is a challenging problem area in supply chain management. Companies need to have inventories in warehouses in order to fulfil customer demand, meanwhile these inventories have holding costs and this is frozen fund that can be lost. Therefore, the task of inventory management is to find the quantity of inventories that will fulfil the demand, avoiding overstocks. This paper presents a case study for the assembling company on inventory management. It is proposed to use inventory management in order to decrease stock levels and to apply an agent system for automation of inventory management processes. Inventory management system (IMS) use for a departmental store.	The purpose of stock management software is to maintain an optimal stock level, track goods during transport between locations, receive new items, manage warehouse processes such as picking, packing, and shipping, prevent product obsolescence and spoilage, and ensure your products are never out of stock. Software for stock management automates what used to be a time-consuming, manual process of counting each item one by one and recording it on paper. Digitising this process not only makes it more accurate, it saves valuable time.Core capabilities include stock optimisation, product identification and tracking, service management for service-oriented companies, asset tracking, and reorder points.