

عنوان مقاله:

Big Data IoT-based Agile-Lean Logistic in Pharmaceutical Industries

محل انتشار:

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خلاصه مقاله:

Purpose: In today's world, with the presence of huge volumes of data, although organizations have faced many problems, using big data analysis has been able to significantly improve their efficiency and integrate information in the supply chain through the topic of computing. Cloud and big data achieve coordination between components and improve communication. On the other hand, Internet of Things (IoT) technology tools are one of the most important sources of big data production, and understanding and correct use of this data and their timely analysis using big data analysis techniques and technologies based on artificial intelligence can be effective steps to improve supply chain processes. Also, the use of these technologies can play an important role in process agility and, as a result, supply chain resilience. **Methodology:** In this study, the dimensions and key components of the use of large data obtained from the Internet of Things (IoT) in an industry's supply chain are investigated as a case study. Finally, a model for implementing an agile and lean supply chain based on IoT data analysis to improve the supply chain performance of these industries during emergency drug distribution during critical conditions is presented. **Findings:** This study shows that these technologies can be used as a powerful enabler, especially in the distribution of fast-acting pharmaceutical products. **Originality/Value:** In this paper a model for implementing an agile and lean supply chain based on IoT data analysis to improve the supply chain performance of these industries during emergency drug distribution during critical conditions is presented.

کلمات کلیدی:

Smart Logistics, IoT-Based Logistics, Big Data Analysis, Agile-Lean Logistics

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