عنوان مقاله:

Optimizing supply chain models and productivity

محل انتشار:

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خلاصه مقاله:

In an era marked by rapid technological advancements and increasing global interconnectedness, optimizing supply chain models has become crucial for enhancing productivity and maintaining competitiveness in various industries. This paper explores the multifaceted nature of supply chain optimization, focusing on the integration of technological innovations, the implementation of strategic approaches, and the adoption of sustainable and ethical practices. The research synthesizes findings from recent studies, highlighting the transformative impact of technologies such as the Internet of Things (IoT), Artificial Intelligence (AI), and blockchain on supply chain efficiency, transparency, and responsiveness.The paper delves into various strategic approaches, including lean management, agile methodologies, and Just-In-Time (JIT) production, emphasizing their significance in improving supply chain productivity. It contrasts these strategies, underscoring the importance of balancing efficiency with the need for resilience and adaptability in the face of global market fluctuations and disruptions. Additionally, the paper addresses the growing imperative of sustainability and ethical considerations in supply chain management, discussing how companies are integrating these aspects to align with evolving consumer expectations and regulatory standards.Through a series of case studies, the paper illustrates the practical application of these concepts and technologies across different industries. These case studies provide insights into the challenges and successes of implementing supply chain optimization strategies in real-world scenarios, offering a nuanced understanding of their impact on business operations.In conclusion, the paper synthesizes the key trends and innovations shaping supply chain optimization, discussing their broader implications for businesses, economies, and societies. It highlights the need for continuous innovation and adaptation in supply chain management practices and suggests future research directions, particularly in emerging technologies and integrated strategies. This research contributes to the understanding of how optimized supply chains can drive business growth, enhance operational efficiency, and promote sustainable and ethical business practices.

کلمات کلیدی:

Supply Chain Optimization, Productivity Enhancement, Technological Innovations in Supply Chain, Artificial Intelligence (AI) in Logistics, Internet of Things (IoT) in Supply Chain

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