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(57) Abstract :
The integration of Artificial Intelligence (AI) into supply chain management has revolutionized the industry, bringing about significant enhancements in efficiency, decision-making, cost reduction, and customer satisfaction. This paper explores the transformative impact of AI technologies on various aspects of supply chain operations. By automating routine tasks and optimizing inventory management, AI boosts operational efficiency and productivity. Advanced analytics powered by AI provide deep insights and support informed strategic decisions, thereby enhancing the resilience and adaptability of supply chains. Moreover, AI contributes to substantial cost savings by optimizing logistics, reducing waste, and enabling predictive maintenance. Enhanced visibility and transparency across the supply chain improve tracking and responsiveness, leading to superior customer experiences. This paper maps the domain of AI's influence on supply chain management, highlighting key benefits, challenges, and future directions for research and practice.

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