# The Impact and Applications of Artificial Intelligence in Modern Management

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**Abstract:** *The topic of AI in management is one that is continually evolving and has made great strides in recent years. Comprehending the historical background, the applicability of artificial intelligence (AI) technologies in management, theoretical frameworks, prior research in many management domains, and the influence of AI on decision-making is vital for grasping the wider terrain of this field. As technology develops and businesses want to get a competitive edge in a data-driven world, its significance and possibilities only increase.*

*The main conclusions of this research show how AI is increasingly having an influence on management, including increased productivity, lower costs, and resource optimization. Empirical instances demonstrate how businesses such as IBM, Walmart, and Salesforce have effectively implemented artificial intelligence (AI) to optimize their processes and improve their ability to make decisions. There are new opportunities for integrating AI into management thanks to emerging trends in AI, such explainable AI, customization, and sustainable management. AI will continue to assist in decision-making, automate repetitive jobs, and streamline procedures in the near future. However, in the far future, AI could play more strategically significant roles in organizations.*

**Keywords:** Artificial Intelligence, Significance of AI, Historical Context of AI, Challenges and Risk, Data Privacy and Security, Resource optimization and allocation using AI, AI in Decision Making, Emerging Trends in AI and Their Potential Impact on Management

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