

Highlights Page

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1. Artificial Intelligence-driven tools enhance project risk management by improving early risk identification, enabling proactive mitigation through predictive analytics, NLP, and machine learning.
2. Integration of Artificial Intelligence in decision-making minimizes biases, improves accuracy, and offers data-driven actionable insights for complex projects.
3. Challenges to Artificial Intelligence adoption include technical integration issues, skills gaps, and ethical concerns, emphasizing the need for training and robust data governance.
4. Artificial Intelligence is conceptualized as a socio-technical decision system in project management.
5. Mixed-methods evidence reveals strong improvements in risk management and decision-making. AI enables a shift to anticipatory, data-driven risk management..

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