

Notes researcher / Raed Glaf

1. In the introduction : role of AI in enhancing efficiency, decision-making, and resource allocation , importance of balancing AI tools with human expertise.

2- theoretical frameworks for AI Adoption technology acceptance model focus on perceived usefulness and ease of use,diffusion of innovation theory , factors like compatibility, complexity, and trialability.

Socio technical systems theory balance between human interaction and AI systems.

3- theories related to project constraints,theory of constraints identifying and managing project bottlenecks.

sustainability in project management theory: aligning with environmental and social goals.

4-competencies for project managers in AI-driven environments dynamic capabilities theory sensing, seizing, and reconfiguring capabilities.

human capital theory value of knowledge, skills, and continuous learning.i

project management competency model :technical, leadership, and strategic skills.

5- AI in project management use of predictive analytics, machine learning, and natural language processing.

6- dimensions of AI usage machine learning for risk assessment. natural language processing for communication analysis.

robotic process automation for task management.

7- project constraints management managing scope, schedule, cost, quality, and risk, effective resource allocation and stakeholder management.

8- challenges and future directions
data quality issues and resistance to AI adoption.

With my best wishes for you .