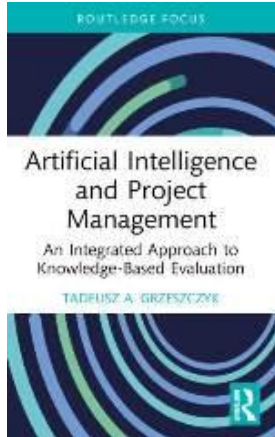


BOOK REVIEW ¹



Book Title: ***Artificial Intelligence and Project Management: An Integrated Approach to Knowledge-based Evaluation***

Author: **Tadeusz A. Grzeszczyk**

Publisher: Routledge, Taylor and Francis Group

List Price: \$51.99

Format: Hardcover, 88 pages

Publication Date: May 2024

ISBN: 978-1-032-37726-1

Reviewer: **Madhusudan Bangalore Nagaraja, PMP**

Review Date: June 2025

Introduction

In today's dynamic landscape, artificial intelligence (AI) is rapidly moving from experimentation to strategic enablement. *Artificial Intelligence and Project Management* by Professor Tadeusz A. Grzeszczyk is a timely and insightful contribution to this transition. The book offers an integrated approach to leveraging AI—particularly knowledge-based systems—in project environments that are increasingly defined by complexity, scale, and ambiguity.

As a seasoned technology and transformation leader, I found this book refreshing in its balance of conceptual rigor and practical application. It offers a solid framework for how project professionals can use AI not just for automation, but for real-time evaluation, stakeholder engagement, and enhanced decision-making—especially in non-traditional domains such as sustainability and social impact programs.

Overview of Book's Structure

The book is organized into five logically progressive chapters:

1. Introduction – Sets the stage by presenting the core objectives and challenges in applying AI to project environments. It also explores the potential of AI in contemporary sustainable and qualitative projects.
2. AI in Business – Lays the foundational concepts, exploring the differences and

¹ How to cite this work: Bangalore Nagaraja, M. (2025). *Artificial Intelligence and Project Management: An Integrated Approach to Knowledge-based Evaluation*, book review, *PM World Journal*, Vol. XIV, Issue IX, September.

overlaps between machine learning, generative AI, and knowledge-based systems (KBS). It discusses how these technologies can parse unstructured data, detect patterns, and support complex decisions.

3. Selected AI Applications in Project Management – Offers a deep dive into AI tools and their uses in planning, forecasting, risk management, resource allocation, stakeholder engagement, and more. The chapter connects strategic PM needs with technological capabilities.

4. AI-Driven Knowledge-Based Evaluation – Introduces a structured approach to project evaluation through AI. It explains how decision tables and IF-THEN rule logic can power intelligent evaluation systems—blending rule-based AI with generative techniques for continuous learning.

5. Conclusions – Reflects on the future of AI in project delivery and presents thoughtful recommendations for both practitioners and organizations looking to adopt AI technologies at scale.

Highlights

What stands out is the book's emphasis on integrating symbolic and generative AI. Grzeszczyk advocates for hybrid systems that combine the stability and explainability of rule-based engines with the adaptive learning capabilities of generative models.

Another strength is the discussion of decision tables—how they can be derived, used to generate decision rules, and serve as a foundational asset for building intelligent, self-evolving project systems. The methodology is structured but accessible, making it applicable across a variety of project types—from IT to infrastructure to ESG-focused initiatives.

The practical examples included throughout the book add immense value. These aren't theoretical case studies; they reflect real-world challenges that practitioners face in portfolio optimization, forecasting uncertainty, and communicating with diverse stakeholder groups.

Highlights: What I liked!

The fusion of classic AI (knowledge-based systems) with modern capabilities (LLMs and generative AI) was particularly engaging. Grzeszczyk's ability to simplify technical models and align them with the project management lifecycle—from initiation through closure—is noteworthy.

Who might benefit from the Book

This book is a must-read for project and program managers looking to stay ahead of the curve in an AI-enabled future. It is equally valuable for transformation leaders,

PMO strategists, academic researchers, and professionals in emerging domains like sustainability, digital health, and civic innovation.

Whether you're new to AI or already experimenting with ML tools and automation, this book will help bridge your understanding into actionable project intelligence.

Conclusion

Artificial Intelligence and Project Management is more than a book—it's a blueprint for reshaping how we evaluate, learn from, and lead projects in a data-rich world.

Grzeszczyk's integration of rule-based and generative techniques provides a robust lens through which AI can be ethically and effectively embedded into project workflows. For anyone leading complex, high-stakes initiatives, this book delivers the frameworks

[For more about this book, click here.](#)

About the Reviewer



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Madhusudan Bangalore Nagaraja is a technology and project management leader and transformation strategist with 16+ years of experience across healthcare, banking, and the public sector. With a foundation in Computer Science, he specializes in leading complex, enterprise-wide initiatives focused on technology modernization, business operations, and digital transformation.

He has led strategic programs at *Arkansas Blue Cross Blue Shield*, *Simmons Bank*, and statewide government initiatives supporting integrated eligibility and service delivery reforms. A certified PMP, PMI-ACP, and SAFe Agilist, Madhu blends Agile

portfolio governance with deep expertise in tools like Power Platform, ServiceNow, JIRA, and Power BI.

Madhu is a reviewer of PMI initiatives and a key contributor to *PMI Infinity*, where he provides expert feedback on AI testing and its real-world application in project management. His thought leadership focuses on AI-augmented PMOs, stakeholder sentiment analysis using NLP, and adaptive delivery models.

An advocate for continuous learning, Madhu mentors early-career professionals and speaks globally on transformation leadership, data-informed decision-making, and the future of project delivery.

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