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EDITORIAL

It is our great pleasure to bring you the fourth number of the 13th volume of IJISPM. In this issue, readers will find important contributions on ethical considerations in artificial intelligence projects, risks and disruption mitigation, benefits realisation management, and project management education.

Ethical considerations in the AI lifecycle for design, developing and adopting AI in public sector – the case of Finland

Ari Alamäki, Umair Ali Khan, Altti Lagstedt

This study explores the role of ethics in all phases of AI projects. Through qualitative interviews with the public sector actors in Finland, the study identifies key ethical concerns related to the lifecycle of AI. The findings highlight the need for embedding ethical requirements throughout the AI system lifecycle and emphasize the role of human-centered AI systems. By utilizing empirical data from multiple public sector case organizations, this study provided both theoretical insights and practical guidelines for developing ethically aligned AI systems. The findings emphasize the need for a comprehensive, lifecycle-oriented approach to ethical AI design, development, adoption, and use. The AI lifecycle spans various phases that collectively shape the ethical impact of AI applications. This research provides empirical insights into how ethical considerations can be practically integrated from the design to adoption phases of AI. By embedding ethical practices throughout the lifecycle, organizations can anticipate and mitigate risks more effectively.

Contribution of big data analytics to risks and disruptions mitigation and agility performance

Aziz Barhmi, Soulaimane Laghzaoui

The main objective of this study is to understand the mechanisms by which supply chain data analytics (SCDA) capabilities impact supply chain agility performance (SCAP) directly or through the mediation of other capabilities, particularly supply chain risk mitigation (SCRMI), supply chain robustness (SCROB), and supply chain resilience (SCRES). The study is based on survey data collected from 203 foreign companies in global value chains located in Morocco's industrial acceleration zones, whose legal status is assimilated to foreign territory. Respondents were mainly senior and middle managers with experience in general management and operations and supply chain management. Validity and reliability analyses as well as hypothesis testing were performed through structural equation modeling (SEM) using SPSS Amos. The results showed that SCDA capabilities strengthen the capabilities of SCRMI, SCROB, and SCRES and indirectly improve SCAP through partial and exclusive mediation of SCRES capability. The results of this study revealed the importance of developing SCDA capabilities for strengthening risks and disruptions mitigation capabilities and improving SCAP. Also, optimizing the return on investment in SCDA capabilities should incorporate dedicated risks and disruptions mitigation tools and alerts to facilitate supply chain managers' decision making in this area.

Exploring temporal dimensions of benefits realisation management in agile IT environments

Julie Delisle, Carl Marnewick, Alejandro Romero-Torres

This study explored the temporal dimensions of benefits realisation management (BRM) in agile IT project management environments. BRM, focused on aligning strategy with project execution, is inherently temporal, requiring the consideration of past, present, and future outcomes, as well as both short- and long-term benefits. This research explored BRM in agile IT project management through a temporal lens. Adopting a 'time as process' lens, our interest was in how actors collectively negotiate, enact, and interconnect the present, past, and future. Through qualitative interviews and a focus group, we examined how agile methods, specifically Scrum and SAFe, interact with BRM processes across different time perspectives. The findings identify challenges such as (1) limited availability of past project data, (2) neglect of long-term benefits, and (3) lack of harmonisation between past, present, and future considerations in benefits realisation. The paper contributes to project management literature by emphasising the importance of temporal leadership in navigating these challenges and improving the harmonisation of past, present, and future actions in BRM.

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Unveiling the potential of metaverse in project management education

Tufan Özsoy

The Fourth Industrial Revolution (4IR), driven by technological advancements such as Artificial Intelligence (AI), has transformed industries, reshaping the skills required in the workforce. Project management education must adapt to these changes by integrating innovative teaching methods to prepare future professionals. This study explores the potential of the metaverse, an immersive virtual environment, to revolutionize project management education. By offering interactive, real-time simulations and personalized learning experiences, the metaverse enables learners to engage with complex project management scenarios beyond the limitations of traditional classrooms. This research combines a literature review and qualitative analysis of project managers' perspectives to assess the benefits and challenges of incorporating the metaverse into educational curricula. The findings highlight the potential for enhanced engagement and the barriers to adoption, including technology access and learning curve concerns. The study concludes by proposing future research directions and addressing limitations regarding the scalability and effectiveness of metaverse-driven education in diverse project management contexts.

We would like to take this opportunity to express our gratitude to the distinguished members of the Editorial Board, for their commitment and for sharing their knowledge and experience in supporting the IJISPM.

Finally, we would like to express our gratitude to all the authors who submitted their work for their insightful visions and valuable contributions.

We hope that you, the readers, find the International Journal of Information Systems and Project Management an interesting and valuable source of information for your continued work.

The Editor-in-Chief,

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