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REVIEWER'S REPORT

Manuscript No.:IJAR-56186

Title:AI-Driven Project Management Transformation: Strengthening Saudi ArabiaÃ¢Â€Â™s Construction Sector as a Catalyst for Economic Diversification,

Recommendation:
Accept as it is .....
Accept after minor revision Yes
Accept after major revision .....
Do not accept (*Reasons below*).....

Rating	Excel.	Good	Fair	Poor
Originality		yes		
Techn. Quality		yes		
Clarity		yes		
Significance		yes		

Reviewer Name: Dr. Bharti Bisht

Detailed Reviewer'sReport

The manuscript titled "AI-Driven Project Management Transformation: Strengthening Saudi Arabia's Construction Sector as a Catalyst for Economic Diversification" presents a timely and relevant exploration of the strategic integration of artificial intelligence in construction project management within the context of Vision 2030; the study is conceptually rich and demonstrates a strong alignment between technological transformation and macroeconomic objectives, and the abstract clearly reflects the purpose, methodology, and key findings of the research while effectively highlighting the significance of AI in enhancing efficiency, sustainability, and workforce development in large-scale megaprojects such as NEOM, Qiddiya, and Red Sea Global. The introduction provides a comprehensive background and establishes a strong rationale for the study by linking the construction sector with national economic diversification goals; however, certain sections contain grammatical inconsistencies, repetitive expressions, and overly long sentences that should be refined for clarity and academic precision. The literature review is extensive and well-structured, covering the evolution of project management, AI applications, measurable benefits, and adoption barriers, but it would benefit from more critical comparison of previous studies and clearer identification of the theoretical foundation guiding the research. The research gap is appropriately identified, particularly the lack of integration between project-level AI adoption and macroeconomic outcomes, which strengthens the novelty of the study. The qualitative case study methodology based on secondary data is suitable for achieving the stated objectives, and the justification for selecting NEOM, Qiddiya, and Red Sea Global is convincing; nevertheless, the methodological rigor can be improved by providing clearer details on data selection criteria, coding procedures in content analysis, and measures taken to ensure reliability and validity. The findings and analysis are detailed and logically organized, and the comparative table enhances the readability of AI implementation levels and outcomes across the three projects, while the discussion effectively links project performance improvements with national strategic goals; however, some claims appear descriptive and would be stronger if supported with more empirical evidence or specific data points from the cited sources. The study makes valuable theoretical, managerial, and policy contributions by proposing a conceptual pathway connecting AI-driven project management with economic

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diversification, but the discussion section should more explicitly relate the findings to existing theories and highlight how the results advance current knowledge. The conclusion appropriately summarizes the major insights and reinforces the strategic importance of AI as an enabler of sustainable construction and knowledge-based economic transformation, although it should include clearer limitations of the study and directions for future research. Overall, the manuscript is well-focused, original, and relevant to the fields of project management, construction management, and digital transformation, and with moderate revisions related to language refinement, methodological transparency, deeper critical analysis, and stronger theoretical integration, the paper would be suitable for publication.