

**Review Form 1.7**

Journal Name:	<b>Journal of Economics, Management and Trade</b>
Manuscript Number:	<b>Ms_JEMT_115988</b>
Title of the Manuscript:	<b>Artificial Intelligence in the Effective Execution Process of Construction Projects in the Future</b>
Type of the Article	

**Review Form 1.7**

**PART 1: Review Comments**

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
<p><b>Compulsory REVIEW comments</b></p> <ol style="list-style-type: none"> <li>1. <b>Is the manuscript important for scientific community?</b> (Please write few sentences on this manuscript)</li> <li>2. <b>Is the title of the article suitable?</b> (If not please suggest an alternative title)</li> <li>3. <b>Is the abstract of the article comprehensive?</b></li> <li>4. <b>Are subsections and structure of the manuscript appropriate?</b></li> <li>5. <b>Do you think the manuscript is scientifically correct?</b></li> <li>6. <b>Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</b></li> </ol> <p><b><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></b></p>	<p><b>Importance of the manuscript for the scientific community:</b> The manuscript addresses a topic of current relevance, highlighting the potential of artificial intelligence (AI) in the transformation of the construction industry. Given the increase in digitalization and the need for efficiency in project management, this study is relevant to the scientific community interested in the integration of advanced technologies into traditional practices. However, it would be beneficial to delve into specific case studies that demonstrate the practical application and results obtained from implementing AI in real construction projects.</p> <p><b>Appropriateness of the article title:</b> The current title is somewhat generic and may not capture the specificity of the study's focus. An alternative title could be "The Transformative Role of Artificial Intelligence in Future Construction Project Management" to more directly reflect the focus on "project management" and the futuristic aspect of the study.</p> <p><b>Completeness of the article summary:</b> The abstract provides a good overview of the approach and objectives of the study. However, it lacks detail on key results and conclusions. It would be helpful to include a brief summary of the main findings and practical implications to provide readers with a clearer understanding of the value and application of the study.</p> <p><b>Appropriation of the subsections and structure of the manuscript:</b> The overall structure of the manuscript is logical, with clearly defined sections addressing different aspects of the topic. However, some sections could benefit from further elaboration on specific topics, such as the impact of AI on the sustainability of construction projects and concrete examples of challenges and solutions.</p> <p><b>Scientific correction of the manuscript:</b> The manuscript appears scientifically correct in its description of AI technology and its applicability in construction. However, additional review of technical claims by AI experts specifically in the construction context would be prudent to ensure that all data and technical claims are accurate and up-to-date.</p> <p><b>Sufficiency and timeliness of references:</b> The references are adequate in number and relevance; However, they would benefit from the inclusion of more recent literature, especially studies published in the last two years, to ensure that the context of the debate is the most current. It would also be beneficial to include additional references that directly compare traditional and AI-based technologies in terms of construction project outcomes.</p> <p><b>Additional Suggestions/Comments:</b></p> <ul style="list-style-type: none"> <li>• It would be valuable to include a case study section to illustrate how AI solutions have been implemented in the real world within the construction industry and what specific results they have achieved.</li> <li>• Additionally, consider including a quantitative evaluation framework that can be used by other researchers and practitioners to measure the impact of AI on their own construction projects.</li> <li>• Finally, a more detailed discussion on the ethical and safety implications of implementing AI in construction environments is recommended, a crucial aspect that requires attention given the high-risk work environment.</li> </ul>	

Review Form 1.7

--	--	--

**Review Form 1.7**

<p><b>Minor</b> REVISION comments</p> <p>1. <b>Is language/English quality of the article suitable for scholarly communications?</b></p>	<p><b>general use of English:</b> The document demonstrates competent use of English with vocabulary appropriate for an academic context. However, there are areas where the wording could be made more precise and formal.</p> <p><b>Sentence Structure:</b> At several points, the sentence structure is awkward or overly complex, which can make it difficult to understand. It is advisable to simplify sentence structures to maintain clarity. For example:</p> <ul style="list-style-type: none"> <li>• Long sentences with multiple clauses could be split to improve readability and comprehension.</li> <li>• Excessive use of technical jargon without adequate explanation could alienate non-specialist readers.</li> </ul> <p><b>Terminological consistency and precision:</b> There are inconsistencies in the use of terminology, which could confuse the reader. It is essential to maintain consistent use of technical terms throughout the document.</p> <p><b>Grammar and spelling errors:</b> Even if they are minimal, grammatical and punctuation errors should be corrected to maintain the professionalism of the document. For example, there are errors in verb tense and the use of prepositions.</p> <p><b>Clarity and conciseness:</b> Some sections of the document could benefit from greater clarity and conciseness. Redundancies and unnecessary verbiage that do not contribute to the central arguments should be avoided.</p> <p><b>Citations and References:</b> It is essential to ensure that all citations and references are correctly formatted in accordance with academic standards. Some references seem inconsistent or incomplete.</p>	
<p><b>Optional/General</b> comments</p>	<p>As a reviewer, after a thorough evaluation of the manuscript, I would grade the paper a 7. This grade implies that the manuscript needs further revision before it can be considered for publication. Below, I detail the main aspects that justify this rating and the areas that require significant improvements:</p> <p><b>Clarity and structure:</b> The document presents a coherent overall structure, but some segments are dense and could benefit from greater clarity in the presentation of ideas. It would be advisable to divide some longer sections into more digestible and clear subsections to improve reading comprehension.</p> <p><b>Depth and originality of analysis:</b> Although the document covers several aspects of AI in construction, the level of analysis could be deepened. In several sections, the text is limited to describing applications of AI without offering sufficient critical analysis of how these applications compare to or outperform traditional methods specific to the construction industry.</p> <p><b>Empirical support and references:</b> The manuscript makes multiple claims about the capabilities and impact of AI in construction, but at times lacks robust empirical support or citations to recent studies that could strengthen the arguments presented. Expanding the literature review with more recent case studies or data could considerably enrich the work.</p> <p><b>Relevance and technological update:</b> While emerging technologies are mentioned, the manuscript could benefit from an update on the latest advances in AI and its practical application in construction projects. Including discussions on contemporary challenges, such as integrating AI systems in low-tech environments, would be valuable.</p> <p><b>Practical implications and recommendations:</b> These sections addressing the practical implications of AI in construction project management are somewhat general. It would be useful to specify more clearly how to implement these technologies into standard industry practices and how to address the challenges of their integration.</p> <p>The manuscript provides a valuable contribution to the field of construction project management, particularly in its exploration of applications of artificial intelligence. The topic is timely and relevant given the increasing integration of AI technologies in various industries.</p>	

[Review Form 1.7](#)

**PART 2:**

	<b>Reviewer's comment</b>	<b>Author's comment</b> <i>(if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
<b>Are there ethical issues in this manuscript?</b>	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

**Reviewer Details:**

Name:	<b>Julissa Elizabeth Reyna Gonzalez</b>
Department, University & Country	<b>School of Systems Engineering, Hermilio Valdizan National University, Peru</b>