



REVIEWER'S REPORT

Manuscript No.: IJAR- 55128

Title: Comparative Appropriateness of Agentic vs. Non-Agentic AI Systems: Task-Fit Analysis Framework.

Recommendation:

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

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

Reviewer Name: Dr. Gulnawaz

Reviewer's Comment for Publication.

The manuscript presents a well-reasoned and practical framework for determining when agentic versus non-agentic AI architectures are most suitable, offering a clear comparison across autonomy requirements, variability in task environments, ecosystem maturity, scalability considerations, and security implications. The discussion is logically structured, draws effectively on current research, and provides illustrative examples that make the conceptual distinctions easy to understand for both practitioners and scholars working in AI systems design. The writing quality is strong and the arguments are conveyed with clarity, requiring only very minor refinements such as correcting a few formatting artifacts, smoothing occasional spacing issues, and dividing one or two overly long sentences to enhance readability. The abstract could be strengthened with an optional closing line that explicitly highlights the principal insight of the framework, while the introduction is already well organized and would only benefit from slight sentence-level tightening. Section 2 reads clearly overall, though it contains a small number of line-break artifacts that should be removed, and the security discussion is technically robust and complete, needing only a paragraph break for improved flow. Formatting issues—particularly stray hyphenation, spacing irregularities from PDF extraction, and minor text-joining errors—should be addressed, but these do not affect the substance or coherence of the work. Overall, the manuscript demonstrates originality, solid technical grounding, clear exposition, and meaningful significance, offering a useful decision-making tool for evaluating architectural choices in AI systems. I recommend acceptance with very minor edits.

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