

Review Form 3

Journal Name:	Journal of Engineering Research and Reports
Manuscript Number:	Ms_JERR_121396
Title of the Manuscript:	Evaluating the Trade-offs Between Wireless security and Performance in IoT Networks: A Case Study of Web Applications in AI-Driven Home Appliances
Type of the Article	

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PART 1: Review Comments

<u>Compulsory</u> REVISION comments	Reviewer's comment	Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
Please write a few sentences regarding the importance of this manuscript for the scientific community. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.	This manuscript is significant for the scientific community as it addresses a critical and timely issue: the balance between security and performance in AI-driven IoT networks. With the growing integration of IoT and AI in daily life, understanding the trade-offs between robust security measures and system efficiency is essential for the development of secure yet high-performing applications. The study's approach, which combines qualitative and quantitative methods, provides a comprehensive analysis that can inform both researchers and practitioners. I appreciate the manuscript's practical relevance, as it not only identifies key challenges but also proposes an optimization framework that could be valuable for future advancements in the field.	
Is the title of the article suitable? (If not please suggest an alternative title)	Yes, its suitable.	
Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.	Yes. Its comprehensive.	
Are subsections and structure of the manuscript appropriate?	Yes, but It would be advisable for the authors to consider reducing the length of the literature review to enhance the manuscript's focus and conciseness.	
Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part.	The manuscript demonstrates scientific correctness through its rigorous methodological approach, combining both qualitative and quantitative analyses to address a complex problem in AI-driven IoT networks. The use of established tools like Atlas.ti for thematic coding and Cisco's Packet Tracer for network simulation adds credibility to the study's findings. The multivariate regression analysis provides a robust statistical foundation for evaluating the impact of security protocols on performance metrics, ensuring the results are both reliable and valid. Overall, the manuscript is scientifically robust and technically sound, offering valuable insights into the trade-offs between security and performance in IoT systems.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	Yes, the references are sufficient and recent; however, it would be advisable for the authors to consider reducing the number of references, particularly where they may be unnecessary.	
<u>Minor</u> REVISION comments Is the language/English quality of the article suitable for scholarly communications?	The language quality of the article is generally good and suitable for scholarly communication, but it would benefit from a double-check to ensure clarity and precision.	
<u>Optional/General</u> comments		

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PART 2:

	Reviewer's comment	Author's comment <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>
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

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