

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

Compulsory 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>
<p>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.</p>	<p>I trust the study makes a significant contribution by addressing the critical balance between security and performance in IoT networks. Using both qualitative and quantitative methods, by provides a comprehensive analysis of security flaws and their effects on performance metrics, offering valuable insights for optimizing IoT systems. I commend the manuscript's thorough approach in proposing a security-performance optimization framework, which has the potential to greatly enhance user experience and data protection in AI-driven home appliances. However, further exploration of the practical implementation of the proposed framework in real-world scenarios would strengthen its applicability.</p>	
<p>Is the title of the article suitable? (If not please suggest an alternative title)</p>	<p>I think "Finding the Right Balance: Security and Performance in Smart Home Devices" will be much descriptive for the manuscript content.</p>	
<p>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.</p>	<p>The abstract of the article is comprehensive; However, I suggest following improvement: It could be enhanced by clearly stating the specific research questions at the beginning. This would provide readers with a more immediate understanding of the study's aims. and it could benefit from mentioning potential real-world applications of the findings.</p>	
<p>Are subsections and structure of the manuscript appropriate?</p>	<p>The subsections and structure of the manuscript are well-organized. However, the structure could be improved by including a dedicated section on future research directions,</p>	

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	and a more detailed explanation of the methodology would enhance the clarity and reproducibility of the study.	
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 study is scientifically sound as it carefully analyses the balance between security and performance in IoT networks. By using both qualitative and quantitative methods, the study offers a clear framework for understanding how security measures affect system performance. Additionally, the inclusion of real-world case studies involving AI-driven home appliances makes the research practically relevant, highlighting its real-life applicability and technical strength.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	Yes, the references appear sufficient and recent. The reference list includes a substantial number of sources that are relevant to the research topic.	
<u>Minor</u> REVISION comments Is the language/English quality of the article suitable for scholarly communications?	Yes, the language and English quality of the article appear suitable for scholarly communications	
<u>Optional/General</u> comments		

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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