

Review Form 3

Journal Name:	Asian Journal of Research in Computer Science
Manuscript Number:	Ms_AJRCOS_126635
Title of the Manuscript:	Strengthening Cybersecurity Measures for the Defense of Critical Infrastructure in the United States
Type of the Article	

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PART 1: Review Comments

Compulsory REVISION comments	Reviewer's comment	Author's Feedback (Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
<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>This manuscript makes a valuable contribution to cybersecurity in critical U.S. infrastructure, focusing on sectors like energy, water, and healthcare. Its use of quantitative methods to identify vulnerabilities and assess framework effectiveness is commendable. I appreciate the focus on ransomware's economic impact, which highlights the urgency for improved defenses. Additionally, the integration of international best practices adds depth and relevance. Overall, this research offers meaningful insights for enhancing national resilience against cyber threats.</p>	
<p>Is the title of the article suitable? (If not please suggest an alternative title)</p>	<p>The title, "<i>Strengthening Cybersecurity Measures for the Defense of Critical Infrastructure in the United States</i>," is suitable and effectively conveys the manuscript's focus. It clearly highlights the main objective—enhancing cybersecurity for critical infrastructure - which is relevant and immediately understandable for readers interested in this field.</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 is comprehensive, covering the study's key focus areas, methodologies, and findings. It effectively highlights the vulnerabilities within critical U.S. infrastructure sectors and the economic impact of ransomware. However, it could benefit from briefly mentioning the specific sectors (energy, water, healthcare) to immediately ground the reader in the study's scope.</p>	
<p>Are subsections and structure of the manuscript appropriate?</p>	<p>The manuscript's structure is clear and well-organized, with appropriate subsections. Each section builds logically, helping readers follow the research flow from introduction to findings. The structure allows for a thorough exploration of the topic, making it easy to engage with the content.</p>	
<p>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.</p>	<p>The manuscript is scientifically robust, using established methods like logistic regression and clustering to analyze cybersecurity vulnerabilities accurately. The chosen methodologies are appropriate for the data, making the findings reliable. The comparison with international practices adds valuable context, supporting the credibility of the conclusions.</p>	
<p>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</p>	<p>The references are sufficient and recent, covering essential topics in cybersecurity for critical infrastructure. To enhance relevance, adding recent studies on AI-driven security solutions and advanced penetration testing could be beneficial.</p>	
<p>Minor REVISION comments</p> <p>Is the language/English quality of the article suitable for scholarly communications?</p>	<p>Yes, the language quality of the article is appropriate for academic writing. The sentences are clear, well-organized, and use technical terms correctly, making it easy to understand for a scholarly audience.</p>	
<p>Optional/General comments</p>	<p>The manuscript is well-structured and provides valuable insights into strengthening cybersecurity for critical infrastructure. Consider adding a brief section discussing potential future trends or technologies, such as the role of AI and machine learning in threat detection, which would enhance the forward-looking relevance of the paper.</p>	

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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>	

Reviewer Details:

Name:	Ayokunle Akinsanya
Department, University & Country	Bowie State University, United States of America