

Review Form 1.7

Journal Name:	Journal of Engineering Research and Reports
Manuscript Number:	Ms_JERR_116241
Title of the Manuscript:	Beyond Conventional Threat Defense: Implementing Advanced Threat Modeling Techniques, Risk Modeling Frameworks and Contingency Planning in the Healthcare Sector for Enhanced Data Security
Type of the Article	

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PART 1: Review Comments

	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>
<p><u>Compulsory</u> REVISION comments</p> <ol style="list-style-type: none"> 1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript) 2. Is the title of the article suitable? (If not please suggest an alternative title) 3. Is the abstract of the article comprehensive? 4. Are subsections and structure of the manuscript appropriate? 5. Do you think the manuscript is scientifically correct? 6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form. <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<ol style="list-style-type: none"> 1. The manuscript presents a significant contribution to the scientific community by exploring the integration of advanced threat and risk modeling with scenario and contingency planning in healthcare organizations. This research addresses a pressing need in the field of cybersecurity, especially considering the escalating complexity and frequency of cyber threats targeting the healthcare sector. 2. The title "Enhancing Security and Resilience in Healthcare Organizations: Integrating Advanced Threat and Risk Modeling with Scenario and Contingency Planning" aptly reflects the content and focus of the article. It effectively communicates the main theme and scope of the research. 3. The abstract provides a comprehensive overview of the research study, outlining the objectives, methodology, key findings, and implications. It effectively communicates the importance of integrating advanced threat and risk modeling with scenario and contingency planning to enhance cybersecurity posture and operational resilience in healthcare organizations. The abstract succinctly summarizes the research methodology, including the use of a quantitative approach with survey data collected from 452 healthcare practitioners. It highlights the significant positive relationship between advanced threat modeling, scenario planning, and cybersecurity posture, emphasizing the benefits of integration for identifying, assessing, and mitigating cyber threats effectively. Furthermore, the abstract concludes with recommendations for adopting an integrated cybersecurity strategy and fostering collaboration for enhanced cybersecurity intelligence. Overall, the abstract provides a clear and informative summary of the research study, inviting further exploration of the findings and implications. 4. The manuscript demonstrates a well-organized structure with clear subsections, facilitating easy navigation and understanding of the content. The logical flow ensures coherence and clarity in presenting the research methodology, results, and discussion. 5. The manuscript appears scientifically sound, employing a quantitative research methodology and rigorous data analysis techniques, such as Partial Least Squares Structural Equation Modeling (PLS-SEM). The findings are supported by empirical evidence and aligned with existing literature, enhancing the credibility of the research outcomes. 6. The references provided are sufficient and encompass recent literature relevant to the topic of cybersecurity in healthcare organizations. The inclusion of key references supports the arguments presented in the manuscript and demonstrates a comprehensive review of existing knowledge in the field. 	
<p><u>Minor</u> REVISION comments</p> <ol style="list-style-type: none"> 1. Is language/English quality of the article suitable for scholarly communications? 	<p>Overall, the language and English quality of the article are suitable for scholarly communications. The text demonstrates a clear and concise presentation of research findings, with appropriate terminology and academic references to support the assertions made. The analysis of hypotheses is structured logically and provides detailed insights into the research outcomes, contributing to the scholarly discourse on cybersecurity in healthcare organizations. The conclusion effectively summarizes the key findings and highlights the significance of adopting advanced threat and risk modeling techniques, as well as scenario and contingency planning, in mitigating cyber threats and enhancing organizational resilience. However, minor adjustments such as ensuring consistency in tense usage and refining sentence structure for smoother readability could further enhance the overall clarity and coherence of the article.</p>	

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Optional/General 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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