

**Review Form 3**

Journal Name:	<a href="#">Asian Journal of Research in Computer Science</a>
Manuscript Number:	Ms_AJRCOS_126521
Title of the Manuscript:	<b>The Role of Artificial Intelligence (AI) in Enhancing Cybersecurity for Educational Technologies in US Public Schools</b>
Type of the Article	<b>Research Article</b>

**Review Form 3**

**PART 1: Review Comments**

<b>Compulsory</b> REVISION comments	Reviewer's comment	<b>Author's Feedback</b> (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, titled "The Role of Artificial Intelligence (AI) in Enhancing Cybersecurity for Educational Technologies in US Public Schools," addresses a critical and timely issue within the realm of education and cybersecurity. As public schools increasingly rely on digital technologies, understanding how AI can mitigate cyber threats and protect sensitive student data is essential for safeguarding educational environments. The rigorous analysis presented in this study, including statistical evaluations and real-world implications, provides valuable insights that can guide policymakers and educational leaders in their decision-making processes.</p> <p>I appreciate this manuscript for its comprehensive approach, effectively combining theoretical frameworks with practical recommendations. The emphasis on ethical considerations and compliance with federal regulations, such as FERPA and COPPA, adds depth to the discussion and underscores the manuscript's relevance to current challenges in educational technology. Overall, this work contributes significantly to the ongoing discourse on AI in education and its potential to enhance cybersecurity measures, making it a noteworthy addition to the scientific community.</p>	
<p>Is the title of the article suitable? (If not please suggest an alternative title)</p>	<p>Yes, the title "The Role of Artificial Intelligence (AI) in Enhancing Cybersecurity for Educational Technologies in US Public Schools" is suitable as it clearly conveys the focus of the article. It specifies the key elements: the use of AI, its application in enhancing cybersecurity, and the specific context of U.S. public schools.</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 generally comprehensive, as it effectively summarizes the study's objectives, methodology, and key findings related to AI-driven cybersecurity solutions in U.S. public schools. However, a few suggestions could enhance its clarity and impact:</p> <p><b>Specific Findings:</b> While the abstract mentions a 75% reduction in cyber breaches and a comparison of privacy violations, including specific quantitative results or performance metrics could strengthen the overall impact. For example, highlighting the statistical significance (e.g., p-values) alongside the findings would provide a clearer picture of the study's rigor.</p> <p><b>Contextualization of Importance:</b> Adding a sentence that briefly contextualizes why enhancing cybersecurity in educational settings is crucial—such as the increasing frequency of cyberattacks on schools—could make the abstract more compelling.</p> <p><b>Brief Mention of Recommendations:</b> Including a summary of the proposed strategies for improving AI adoption in schools would provide a more rounded view of the study's implications and significance.</p> <p><b>Ethical Considerations:</b> A brief mention of the ethical implications of using AI in educational settings could enrich the abstract, highlighting the balance between technological advancement and student privacy concerns.</p> <p>Incorporating these elements could make the abstract not only more comprehensive but also more engaging for readers.</p>	
<p>Are subsections and structure of the manuscript appropriate?</p>	<p>Yes, the subsections and structure of the manuscript appear to be appropriate for the content presented. The organization allows for a logical flow of ideas, facilitating reader comprehension. Here are some specific observations:</p> <ol style="list-style-type: none"> <li><b>1. Clear Sections:</b> The manuscript is divided into clear sections, including an abstract,</li> </ol>	

**Review Form 3**

	<p>introduction, literature review, methodology, results, discussion, and conclusion. This structure aligns well with typical academic standards, making it easy for readers to navigate.</p> <p><b>2. Logical Progression:</b> The progression from the introduction, which sets the stage for the research, through the literature review, methodology, and results, to the discussion and conclusion, effectively builds the argument and supports the findings.</p> <p><b>3. Subsections:</b> The use of subsections within the main sections (e.g., challenges in implementing AI, compliance with federal regulations) helps to break down complex information into digestible parts. This aids in highlighting key themes and findings, enhancing clarity.</p> <p><b>4. Methodology and Results:</b> The methodology is detailed, allowing readers to understand how the research was conducted. The results are presented clearly, with appropriate use of tables and figures to support the findings.</p> <p>Overall, the structure of the manuscript is well-suited to its content, promoting clarity and coherence. Any additional suggestions for improvement would depend on specific feedback from readers or reviewers regarding their preferences or additional organizational nuances they might find beneficial.</p>	
<p><b>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.</b></p>	<p><b>The manuscript "The Role of Artificial Intelligence (AI) in Enhancing Cybersecurity for Educational Technologies in US Public Schools" demonstrates a high level of scientific correctness and robustness through its methodological rigor and data-driven approach. The use of logistic regression and K-means clustering for analyzing the effectiveness of AI-driven cybersecurity solutions is appropriate and aligns with standard practices in quantitative research. Additionally, the manuscript effectively utilizes data from reputable sources, such as the K-12 Cybersecurity Resource Center, ensuring that the findings are grounded in credible evidence.</b></p> <p><b>Furthermore, the analysis of compliance with federal regulations (FERPA and COPPA) alongside the ethical considerations of AI use adds depth to the discussion, highlighting the manuscript's comprehensive nature. The clear presentation of statistical results, along with their interpretation, reinforces the technical soundness of the study. Overall, the combination of solid methodology, relevant data, and thoughtful analysis contributes to the manuscript's scientific integrity and relevance in the field of cybersecurity and education.</b></p>	
<p><b>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</b> =</p>	<p><b>The references in the manuscript appear to be generally sufficient and relevant to the topic at hand. However, while there are a number of important studies cited, it's essential to ensure that at least a portion of the references are recent (from 2021-2023) to reflect current developments in the field of AI and cybersecurity, especially within educational contexts.</b></p>	

**Review Form 3**

<p>Minor REVISION comments</p> <p><b>Is the language/English quality of the article suitable for scholarly communications?</b></p>	<p>The language and English quality of the article are generally suitable for scholarly communications, with a clear and coherent writing style that effectively conveys complex ideas. However, there are a few areas where minor revisions could enhance clarity and improve the overall quality:</p> <p>Grammar and Syntax: While the manuscript is well-structured, there are occasional grammatical errors and awkward phrasing that could be refined for better readability. A thorough proofreading session would help identify and correct these issues.</p> <p>Technical Terminology: The use of technical terminology related to AI and cybersecurity is appropriate for the target audience. However, ensuring that all terms are clearly defined or explained, particularly for readers who may not be familiar with the subject matter, would be beneficial.</p> <p>Flow and Transitions: Some sections could benefit from smoother transitions between ideas or paragraphs to improve the overall flow of the manuscript. This would help maintain reader engagement and enhance comprehension.</p> <p>Consistency in Style: Ensuring consistency in style, particularly in the use of abbreviations and technical terms throughout the manuscript, will contribute to a more professional presentation.</p> <p>In summary, with some minor revisions for grammar, clarity, and flow, the language quality of the article can be further enhanced to meet the high standards expected in scholarly communications.</p>	
<p><b><u>Optional/General</u></b> comments</p>	<p>Relevance and Timeliness: The manuscript addresses a pressing issue in the current educational landscape, where cybersecurity threats are becoming increasingly prevalent. The exploration of AI's role in mitigating these risks is both timely and relevant, especially as educational institutions continue to adopt more digital technologies.</p> <p>Comprehensive Approach: The study employs a comprehensive approach by analyzing both the effectiveness of AI in preventing cyber incidents and its impact on student privacy and compliance with federal regulations. This dual focus enriches the discussion and underscores the multifaceted benefits and challenges associated with AI integration in schools.</p> <p>Engagement with Stakeholders: Consider emphasizing the importance of involving various stakeholders—such as educators, administrators, and parents—in discussions about AI adoption. Engaging these groups can facilitate a more comprehensive understanding of the ethical implications and foster trust in AI technologies.</p> <p>Future Research Directions: It may be beneficial to suggest areas for future research, such as longitudinal studies that track the long-term effects of AI-driven cybersecurity solutions in schools or research that examines the perspectives of different stakeholders on AI integration.</p> <p>Technical Accuracy: The manuscript demonstrates a strong command of technical terminology and concepts related to AI and cybersecurity. Ensuring that all technical terms are well-defined and accessible will help broaden the readership and facilitate better understanding among those who may not be specialists in the field.</p> <p>Visual Aids: The use of tables and figures to present data is commendable and enhances the manuscript's clarity. Consider ensuring that all visual aids are accompanied by detailed captions that explain their significance in the context of the findings.</p> <p>Conclusion Strength: The conclusion effectively summarizes the findings and implications of the study. It could be further strengthened by reiterating the importance of a balanced approach that considers both technological advancements and ethical considerations in AI implementation.</p> <p>Overall, the manuscript makes a valuable contribution to the understanding of AI's potential in</p>	

**Review Form 3**

	enhancing cybersecurity within the educational sector. Addressing the minor suggestions above will further enhance its quality and impact in the scientific community.	
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**PART 2:**

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

**Reviewer Details:**

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