

**Review Form 3**

Journal Name:	<a href="#">Journal of Advances in Mathematics and Computer Science</a>
Manuscript Number:	<b>Ms_JAMCS_125673</b>
Title of the Manuscript:	<b>Quantum Algorithms in Cloud-Based AI for Predictive Analytics of Cyber Threats to Renewable Energy Systems</b>
Type of the Article	

**Review Form 3**

**PART 1: Review Comments**

<b>Compulsory</b> 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><b>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.</b></p>	<p>The manuscript's focus on integrating quantum algorithms with cloud-based AI for predictive analytics is forward-looking and brings attention to how next-generation technologies like quantum computing could enhance cybersecurity for critical infrastructures. This topic addresses a timely and critical issue as renewable energy infrastructure is becoming more widespread, increasing the potential cyber threats. I appreciate the interdisciplinary approach that combines AI, quantum computing, and cybersecurity, making the paper relevant for experts in multiple domains.</p>	
<p><b>Is the title of the article suitable? (If not please suggest an alternative title)</b></p>	<p><b>Alternative Title(s):</b>            1. Enhancing Cybersecurity for Renewable Energy with Quantum Algorithms and AI            2. Enhancing Cybersecurity for Renewable Energy with Quantum Algorithms and Cloud-Based AI</p>	
<p><b>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.</b></p>	<p>The abstract provides a clear overview of the manuscript's scope, highlighting the growing importance of renewable energy, the cyber threats it faces, and the potential role of quantum computing and AI in improving cybersecurity</p> <p><b>Suggestions:</b></p> <ol style="list-style-type: none"> <li>1. Add a brief mention of specific quantum algorithms (e.g., Grover's and Shor's algorithms). This would help make the abstract more aligned with the detailed content later on.</li> <li>2. The abstract could also briefly mention practical applications or real-world examples of how these technologies could be applied, making it more tangible for readers.</li> </ol>	
<p><b>Are subsections and structure of the manuscript appropriate?</b></p>	<p>The subsections and structure are well-organized. Good job. However, I would like to suggest some improvements</p> <ul style="list-style-type: none"> <li>• Consider adding a section on case studies or practical examples of current cybersecurity solutions in renewable energy. This would help ground the paper's theoretical analysis in real-world applications.</li> <li>• A dedicated challenges and limitations section could further elaborate on the barriers to implementing quantum-enhanced AI solutions, beyond the general technological limitations mentioned.</li> </ul>	
<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>The manuscript is scientifically robust and builds upon established principles of quantum computing, AI, and cloud computing. The manuscript incorporates current knowledge in quantum computing and explains how these advancements could potentially overcome the limitations of classical cybersecurity measures. It also addresses the limitations of existing solutions, such as firewalls and intrusion detection systems, making the case for why more advanced techniques are required in renewable energy.</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>Consider including a couple of real-world case studies or research papers on cybersecurity incidents in renewable energy infrastructure to strengthen the real-world relevance of the topic</p>	

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Minor REVISION comments  <b>Is the language/English quality of the article suitable for scholarly communications?</b>	Overall, while the English quality is suitable for scholarly communication.  <b>Some suggested improvements:</b> In some cases, sentences are long and complex, which might reduce readability. Simplifying a few of these sentences could make the article clearer without losing depth.  Some technical concepts (e.g., the use of specific quantum algorithms) could be explained with more clarity for readers who might not be quantum computing experts	
<u>Optional/General</u> comments		

### **PART 2:**

	<b>Reviewer's comment</b>	<b>Author's comment</b> (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)
<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:

Name:	<b>Meethun Panda</b>
Department, University & Country	<b>Cornell University, United States</b>