

Review Form 3

Journal Name:	Asian Journal of Research in Computer Science
Manuscript Number:	Ms_AJRCOS_127289
Title of the Manuscript:	CYBERSECURITY IN DIGITAL OILFIELDS: PROTECTING CRITICAL INFRASTRUCTURE
Type of the Article	

General guidelines for the Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guidelines for the Peer Review process, reviewers are requested to visit this link:

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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>
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.	This manuscript is significant for the scientific community as it addresses the pressing issue of cybersecurity within the oil and gas sector, a critical area of infrastructure that is increasingly vulnerable to cyber threats. By analyzing past incidents and evaluating current cybersecurity practices, the manuscript provides valuable insights that can inform future research and policy-making. I appreciate the comprehensive approach taken in the study, which combines theoretical frameworks with practical case studies, making it a useful resource for both academics and industry professionals. However, it could benefit from a more detailed exploration of emerging technologies and their potential impact on cybersecurity strategies, which would enhance its relevance in an ever-evolving digital landscape.	
Is the title of the article suitable? (If not please suggest an alternative title)	The title "Cybersecurity in Digital Oilfields: Protecting Critical Infrastructure" is suitable as it clearly conveys the focus on cybersecurity within the oil and gas sector. However, a more engaging alternative could be "Securing the Future: Cybersecurity Challenges and Solutions in Digital Oilfields," which emphasizes both the challenges and proactive strategies discussed in the manuscript. This could attract a broader audience interested in the topic.	
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.	The abstract is generally comprehensive but could be improved with the following suggestions: <ol style="list-style-type: none"> Specific Examples: Include recent cyber incidents in the oil and gas sector to highlight urgency. Human Factors: Mention the importance of employee training and awareness in cybersecurity. Emerging Technologies: Briefly discuss how technologies like AI can enhance security. Call to Action: Add a statement emphasizing the need for industry collaboration or regulatory frameworks. <p>These additions would provide a more rounded perspective on cybersecurity challenges in digital oilfields.</p>	
Are subsections and structure of the manuscript appropriate?	Yes, the subsections and structure of the manuscript are appropriate. They effectively organize the content, making it easy to follow the discussion on cybersecurity challenges, strategies, and technologies in digital oilfields. The logical flow enhances readability and comprehensio	

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<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 and technically sound as it draws on a wide range of credible sources, including scholarly articles and industry reports, to support its claims about cybersecurity in digital oilfields. It thoroughly analyzes recent cyber incidents and identifies common threats, demonstrating a clear understanding of the complexities involved in protecting critical infrastructure. Additionally, the incorporation of established frameworks and standards, such as those from NIST and ISO, further validates the manuscript's recommendations for effective cybersecurity practices.</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 in the manuscript are a mix of both recent and older sources, which provides a foundational understanding of the topic. However, some references could be updated to include more recent studies or reports from 2022 and 2023 to ensure the information reflects the latest trends and developments in cybersecurity for digital oilfields.</p> <p>To enhance the manuscript, I suggest including additional references such as:</p> <ol style="list-style-type: none"> 1. Recent cybersecurity incident reports from organizations like the Cybersecurity and Infrastructure Security Agency (CISA). 2. Current academic articles focusing on emerging threats in the oil and gas sector published in 2022 or 2023. 3. Industry white papers or case studies that discuss recent advancements in cybersecurity technologies relevant to the oil and gas industry. <p>Incorporating these more recent references would strengthen the manuscript's relevance and authority.</p>	
<p><u>Minor REVISION</u> comments</p> <p>Is the language/English quality of the article suitable for scholarly communications?</p>	<p>The language and English quality of the article are generally suitable for scholarly communication, using a formal tone and appropriate technical terminology.</p>	
<p><u>Optional/General</u> comments</p>		

PART 2:

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

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