

**Review Form 3**

Journal Name:	<a href="#">Journal of Engineering Research and Reports</a>
Manuscript Number:	Ms_JERR_125505
Title of the Manuscript:	<b>Augmenting Data Privacy Protocols and Enacting Regulatory Frameworks for Cryptocurrencies via Advanced Blockchain Methodologies and Artificial Intelligence</b>
Type of the Article	

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**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>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 is significant as it tries to solve the data-privacy problem of the cryptocurrency platforms, a relevant topic nowadays that digital-native banks and other cryptocurrency platforms are starting to go mainstream. The study's theorisation and technical approach evaluating the effectiveness of the encryption technologies and the AI tools in terms of driving the E2E regulatory compliance can help researchers and practitioners to further inspire the design of more private digital finance systems that still meet the legal and reporting requirements. The in-depth technical analysis on advanced cryptographic technologies such as zero-knowledge proofs is useful as these new technologies can potentially advance cryptocurrencies to a new level of privacy protection. However, the AI performance results show significant challenges when using cryptocurrency platforms, implying that the privacy-enhanced techniques should still be improved. To sum up, such work provides us with meaningful knowledge on how to balance the privacy and regulation of digital finance.</p>	
<p>Is the title of the article suitable? (If not please suggest an alternative title)</p>	<p>Everything is known through the title: 'Augmenting Data (Privacy) Protocols and Enacting Regulatory ( Frameworks) for Cryptocurrencies via Advanced ( Blockchain and Artificial) Intelligence Technology'. First of all, the double focus on improving data privacy and regulatory frameworks, and the enhanced technologies of blockchain and artificial intelligence make it clear right away what the manuscript will be about. The manuscript title is a bit long, however, and we can compact it to help increase readability: 'Enhancing Data ( Privacy ) and Regulatory ( Frameworks ) in Cryptocurrencies via Blockchain and AI Tech'.</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 manuscript is quite comprehensive, providing a detailed overview of the study's objectives, methodologies, findings, and recommendations. However, a few adjustments could enhance its clarity and effectiveness:</p> <ol style="list-style-type: none"> <li>1. <b>Highlight Key Findings:</b> Clearly state the most significant findings at the beginning of the results section. For example, mention the lack of a significant relationship between encryption strength and breach incidents upfront.</li> <li>2. <b>Emphasize Implications:</b> Briefly discuss the implications of these findings for the cryptocurrency field, particularly how the lack of correlation between encryption strength and breach incidents might impact future security strategies.</li> </ol> <p>These adjustments could help improve the abstract's clarity and ensure it effectively communicates the study's significance and contributions to the scientific community.</p>	
<p>Are subsections and structure of the manuscript appropriate?</p>	<p>The manuscript's structure and subsections appear to be well-organized and comprehensive, covering a broad range of topics within the study of data privacy and regulatory frameworks in cryptocurrency.</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 sound and robust in several ways. First of all, the methodology is quite thorough, applying various statistical approaches, starting from descriptive statistics up to t-tests and logistic regression, in order to ensure that the findings are based on solid data analysis. Moreover, the manuscript makes use of Zero-Knowledge Proofs</p>	

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	<b>and Homomorphic Encryption, high-tech tools to enforce privacy, showing a deepened understanding and knowledge of current privacy-strengthening technologies.</b>	
<b>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</b> :	<b>The references in the manuscript appear to be both sufficient and recent, covering a range of topics relevant to data privacy, cryptocurrency, blockchain technology, and artificial intelligence. They include a mix of journal articles, conference papers, and reports that span from 2018 to 2024, ensuring that the research is grounded in current and pertinent literature.</b>	
<u>Minor REVISION</u> comments  <b>Is the language/English quality of the article suitable for scholarly communications?</b>	The language used in the article is generally suitable for scholarly communication. It uses formal and clear language to discuss complex topics like data privacy, cryptocurrencies, and AI, which is appropriate for an academic audience.	
<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>	

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