

**Review Form 3**

Journal Name:	<b>Journal of Engineering Research and Reports</b>
Manuscript Number:	<b>Ms_JERR_122737</b>
Title of the Manuscript:	<b>Incorporating Privacy by Design principles in the modification of AI systems in preventing breaches across multiple environments including public cloud, private cloud, and on-prem</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>I appreciate several aspects of this manuscript:</p> <ol style="list-style-type: none"> <li>1. It presents a comprehensive and well-structured analysis of Privacy by Design (PbD) principles in AI systems across different environments. The study combines quantitative analysis (logistic regression, correlation analysis) with qualitative methods (case studies, thematic analysis), providing a holistic view of the topic.</li> <li>2. The manuscript addresses an important and timely issue in AI development and deployment. As AI systems become more prevalent and process increasing amounts of sensitive data, understanding how to effectively implement privacy protections is crucial.</li> <li>3. The results offer practical insights and recommendations for implementing PbD in AI systems. For example, the finding that breach detection rates strongly correlate with PbD effectiveness provides clear guidance for practitioners.</li> <li>4. The discussion section does a good job of contextualizing the findings within existing literature and explaining their implications. The authors critically examine their results, noting both consistencies with prior work and areas where their findings challenge existing assumptions.</li> </ol>	
<p>Is the title of the article suitable? (If not please suggest an alternative title)</p>	<p>Yes, the title of the article "Incorporating Privacy by Design principles in the modification of AI systems in preventing breaches across multiple environments including public cloud, private cloud, and on-prem" is suitable for the following reasons:</p> <ol style="list-style-type: none"> <li>1. <b>Relevance:</b> The title accurately reflects the main focus of the study, which is the incorporation of Privacy by Design (PbD) principles in AI systems.</li> <li>2. <b>Specificity:</b> The title mentions the specific goal of "preventing breaches," which aligns with the study's objective and results.</li> <li>3. <b>Comprehensiveness:</b> It captures the essence of the research, including the focus on AI systems, privacy principles, and different operational environments.</li> <li>4. <b>Clarity:</b> The title is straightforward and uses terminology that is readily understandable to the target audience in the fields of AI, privacy, and cybersecurity.</li> </ol> <p>However, if one were to suggest a minor improvement, the title could be slightly shortened for better readability without losing its essence. For example:            "Incorporating Privacy by Design in AI Systems to Prevent Breaches Across Cloud and On-Premises Environments"</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>Yes</p>	
<p>Are subsections and structure of the manuscript appropriate?</p>	<p>Yes</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>It clearly indicates that the research covers multiple environments (public cloud, private cloud, and on-premises), which is a key aspect of the study's methodology and findings.</p> <p>I, find this to be a well-executed and valuable contribution to the field of AI privacy and security. The combination of rigorous analysis and practical recommendations makes it relevant for both researchers and practitioners working on AI systems.</p>	
<p>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</p>	<p>You can add these references too for the perspective of latest work.</p> <ol style="list-style-type: none"> <li>1. Dixit, Sheetal and Jain, Rahul and Patel, Hiral B., Impact of 5G Wireless Technologies on Cloud Computing and Internet of Things (IOT) (January 19, 2024). Advances in Robotic</li> </ol>	

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:	<p>Technology, 2024, Available at SSRN: <a href="https://ssrn.com/abstract=4700149">https://ssrn.com/abstract=4700149</a></p> <p>2. Shah, Aayush and Patel, Dhruvi and Suthar, Rajul and Jain, Rahul and Barhaiya, Himanshu, Survey on Virtualization Technique and Its Role in Cloud Computing Environment (April 18, 2024). Advances in Robotic Technology, Available at SSRN: <a href="https://ssrn.com/abstract=4799009">https://ssrn.com/abstract=4799009</a></p> <p>3. Prajapati, Dolly and Sathwara, Darshika and Suthar, Rajul and Jain, Rahul, Survey on Mobile Cloud Computing (April 15, 2024). Advances in Robotic Technology, Available at SSRN: <a href="https://ssrn.com/abstract=4794615">https://ssrn.com/abstract=4794615</a></p>	
Minor REVISION comments		
Is the language/English quality of the article suitable for scholarly communications?	Yes	
Optional/General comments	NA	

### **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)
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

### Reviewer Details:

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