Review Form 3

Journal Name:	**Journal of Engineering Research and Reports**
Manuscript Number:	**Ms_JERR_131361**
Title of the Manuscript:	**Advanced Data Analytics for Real-Time Performance Engineering**
Type of the Article	**Research Articles**

PART 1: Comments

		Reviewer's comment **Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.**	Author's Feedback *(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)*
	Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.	**This manuscript especially highlights the importance of data analytics in performance engineering and also mainly focuses on the challenges of monitoring and optimizing system performance based on the challenges this paper offers critical strategies for enhancing the system reliability and operational efficiency. Based on the present technological situation and the needs of industries this paper integrates many technologies like AI and machine learning for real-time analytics. The data observed in this paper will give systematic value for engineers, data scientists, and decision-makers to make critical decisions based on real-time data for optimized performance.**	
	Is the title of the article suitable? **(If not please suggest an alternative title)**	**Yes, the title is suitable for the content of the article but it is suggested to reframe the topic as "Leveraging Real-Time Analytics for Enhanced Performance Engineering". It is a suggestion alone.**	
	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.	**Yes, but few suggestions to add.** 1. **Need to mention the important technologies involved in the manuscript like AI, Machine Learning, and Cloud computing if so, it will give readers a strong knowledge of the technical scope of the paper.** 2. **In the abstract key industries need to be mentioned like IT, manufacturing, etc.** 3. **Along with the benefits of the abstract the challenges also such as latency issues and data overload could provide an overall view.** 4. **Mentioning how real-time data analytics will evolve in the future will give a prediction perspective.**	
	Is the manuscript scientifically, correct? Please write here.	Yes, few suggestions 1. Since the paper deals with various technologies, it would be better to add some scientific principles for the usage of these technologies like mathematical models or algorithms will give more insight. 2. If the author made a comparison between traditional batch processing and real-time data processing along with performance metrics could strengthen the scientific approach of the paper.	
	Are the references sufficient and recent? If you have suggestions for additional references, please mention them in the review form.	Sufficient	

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Is the language/English quality of the article suitable for scholarly communications?	Yes	
Optional/General comments	1. The clarity and structure of the manuscript are satisfactory but to improve the readability of the authors the longer sections need to be broken up, especially in the "Applications and Technological Consideration" sections. 2. The terms "real-time analytics" and "Streaming data analytics" were placed interchangeably in many places kindly stick to one term. 3. Some future-oriented applications like 5G, expansion of real-time analytics in healthcare, and smart cities could provide more value to the manuscript.	

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?	*(If yes, Kindly please write down the ethical issues here in details)*	

Reviewer Details:

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