Review Form 3

Journal Name:	Journal of Engineering Research and Reports
Manuscript Number:	**Ms_JERR_129972**
Title of the Manuscript:	**Scalable Anomaly Detection with Machine Learning: Techniques for Managing High-Dimensional Data Streams.**
Type of the Article	

PART 1: Comments

	Reviewer's comment	**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.	➢ **Advances Scalable Anomaly Detection:** The manuscript explores cutting-edge machine learning techniques like Autoencoders, Isolation Forests, PCA, and RNNs, offering scalable solutions for real-time anomaly detection in high-dimensional data streams**.** ➢ **Practical Applications Across Industries:** It highlights practical implementations in diverse fields such as finance, healthcare, manufacturing, and cybersecurity, bridging the gap between theoretical research and real-world applications. ➢ **Focus on Emerging Challenges:** By addressing critical issues like model explainability, data privacy, and data quality, the manuscript fosters dialogue on overcoming barriers in applying machine learning to big data scenarios. ➢ **Promotes Efficient Data Processing:** The discussion on distributed computing, edge computing, and incremental learning presents innovative approaches to managing large-scale, real-time data flows, contributing to more robust and efficient anomaly detection systems**.**	
Is the title of the article suitable? **(If not please suggest an alternative title)**	The title of the article, "**Scalable Anomaly Detection with Machine Learning: Techniques for Managing High-Dimensional Data Streams**," is clear, informative, and relevant to the content of the manuscript. However, if a more focused or engaging title is desired, here are some alternative suggestion. "**Machine Learning for Scalable Anomaly Detection: Tackling Challenges in High-Dimensional Data Streams".**	
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**	
Is the manuscript scientifically, correct? Please write here.	**Yes**	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	References must be updated and it seems that authors need to refer to latest work to justify the current approach. Most of the references cited in the study are outdated.	

Review Form 3

Is the language/English quality of the article suitable for scholarly communications?	**Yes**. The article demonstrates a solid foundation, offering valuable insights and thoroughly exploring the subject matter. Its detailed content reflects a commendable effort to comprehensively address the topic. With minor refinements in clarity, conciseness, and consistency, the article holds significant potential to meet scholarly communication standards and effectively engage its target academic audience.	
Optional/General comments	The article offers a well-researched and insightful discussion, demonstrating depth and dedication to the topic. To enhance its impact, incorporating additional real-world examples, refining transitions between sections, and clarifying definitions would be beneficial. These adjustments can improve coherence and ensure stronger engagement with academic readers.	

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:

Name:	**Sudhanshu Sekhar Tripathy**
Department, University & Country	**C.V Raman Global University, India**