

Review Form 1.8

Journal Name:	Journal of Engineering Research and Reports
Manuscript Number:	Ms_JERR_120196
Title of the Manuscript:	Evaluation of Machine Learning Model for Network Anomaly Detection: Support Vector Machine
Type of the Article	Original Research Article

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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>
Is the manuscript important for scientific community? <i>(Please write few sentences regarding this manuscript to justify your answer)</i>	Network anomaly detection is crucial for protecting digital assets from evolving cyber threats in the field of cybersecurity. This study seeks to assess the performance of Support Vector Machine (SVM) models using various kernel types for detecting network anomalies.	
Is the title of the article suitable? (If not please suggest an alternative title)	Yes	
Is the abstract of the article comprehensive?	Yes	
Are subsections and structure of the manuscript appropriate?	Yes	
Do you think the manuscript is scientifically correct? <i>(Please write few sentences regarding this manuscript to justify your answer)</i>	This study utilizes experimental methodologies, such as data preprocessing, model training, and evaluation, to assess the accuracy and F1 score of different SVM kernels. The findings indicate varying performance levels across the kernel types.	
Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.	Yes	
Minor REVISION comments Is language/English quality of the article suitable for scholarly communications?	Yes	
Optional/General comments	The methodology employed in this research lacks innovation, as it relies on an outdated dataset and fails to introduce any new or advanced techniques. To enhance the impact and relevance of the study, it is essential to incorporate more recent data and explore novel methodological approaches.	

PART 2:

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

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