

Review Form 3

Journal Name:	Journal of Advances in Mathematics and Computer Science
Manuscript Number:	Ms_JAMCS_124851
Title of the Manuscript:	A Survey of Machine Learning Techniques for Accurate Seizure Detection and Future Forecasting
Type of the Article	

PART 1: Review Comments

<u>Compulsory</u> 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>
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.	Epilepsy affects approximately 50 million people worldwide, with seizures significantly impacting quality of life. Accurate seizure detection and forecasting could greatly improve patient care and outcomes. This survey provides a comprehensive review of machine-learning techniques for automated seizure detection and prediction from electroencephalogram (EEG) data.	
Is the title of the article suitable? (If not please suggest an alternative title)	Yes	
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	
Are subsections and structure of the manuscript appropriate?	Yes	
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.	This paper examine various approaches including traditional machine learning models, deep learning architectures like convolutional and recurrent neural networks, and hybrid methods. Key challenges include EEG signal complexity, inter-patient variability, and limited labeled data. We analyze performance metrics, datasets, and clinical translation potential across studies.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	Yes	
<u>Minor</u> REVISION comments Is the language/English quality of the article suitable for scholarly communications?	Yes	
<u>Optional/General</u> comments		

Review Form 3

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>	

Reviewer Details:

Name:	D. Hemanand
Department, University & Country	S.A. Engineering College, India