

Review Form 1.7

Journal Name:	Asian Journal of Research in Computer Science
Manuscript Number:	Ms_AJRCOS_115773
Title of the Manuscript:	FIRE PREDICTION ANALYSIS BASED ON HYBRID MACHINE LEARNING ALGORITHMS
Type of the Article	

PART 1: Review Comments

	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)
<p>Compulsory REVISION comments</p> <p>1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript)</p> <p>2. Is the title of the article suitable? (If not please suggest an alternative title)</p> <p>3. Is the abstract of the article comprehensive?</p> <p>4. Are subsections and structure of the manuscript appropriate?</p> <p>5. Do you think the manuscript is scientifically correct?</p> <p>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</p> <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<p>1. Yes the manuscript is important to scientific, but not as strong as a scientific research. The paper is lack deep literature review so that it need strong revision on literature review and also the algorithm too.</p> <p>2. The title by itself no problem, but the term "HYBRID" is not goes with the result of the algorithms, because the hybrid algorithms have low performance than the individual algorithm thus the term "HYBRID" is not good expression.</p> <p>3. Yes the abstract is tried to include all part of the paper, but it need rewrite in the objective of the research, and result area.</p> <p>4. The subsection and structure of the manuscript is relatively good, but in Part II: "PROPOSED SYSTEM AND ARCHITECTURE" each subsections are too short and even some parts are not note well stated, thus it need rigours revision.</p> <p>5. Frankly speaking, the manuscript is not strong enough to say scientifically correct, as to me it requests major revision.</p> <p>6. The stated references are recent but they are too few, the author need to include additional recent works like:</p> <p>i. Eskandari, S., Amiri, M., Sādhasivam, N., & Pourghasemi, H. R. (2020). Comparison of new individual and hybrid machine learning algorithms for modeling and mapping fire hazard: a supplementary analysis of fire hazard in different counties of Golestan Province in Iran. <i>Natural Hazards</i>, 104, 305-327.</p> <p>ii. Abid, F. (2021). A survey of machine learning algorithms based forest fires prediction and detection systems. <i>Fire technology</i>, 57(2), 559-590.</p> <p>iii. Jana, S., & Shome, S. K. (2023). Hybrid ensemble based machine learning for smart building fire detection using multi modal sensor data. <i>Fire Technology</i>, 59(2), 473-496.</p>	
<p>Minor REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>	<p>The English quality is relatively as good as scholarly communications.</p>	
<p>Optional/General comments</p>	<p>The paper with major revision may be publish in your journal</p>	

[Review Form 1.7](#)

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:	Eligo Workineh Menna
Department, University & Country	School of Mathematics, Northwest University, China