

**Review Form 1.7**

Journal Name:	<b>Journal of Engineering Research and Reports</b>
Manuscript Number:	<b>Ms_JERR_118752</b>
Title of the Manuscript:	<b>Robustness and Reliability Testing Using AI in Healthcare</b>
Type of the Article	<b>Research article</b>

**Review Form 1.7**

**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><b>Compulsory</b> REVISION comments</p> <ol style="list-style-type: none"> <li>1. <b>Is the manuscript important for scientific community?</b> (Please write few sentences on this manuscript)</li> <li>2. <b>Is the title of the article suitable?</b> (If not please suggest an alternative title)</li> <li>3. <b>Is the abstract of the article comprehensive?</b></li> <li>4. <b>Are subsections and structure of the manuscript appropriate?</b></li> <li>5. <b>Do you think the manuscript is scientifically correct?</b></li> <li>6. <b>Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</b></li> </ol> <p><b>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</b></p>	<p><b>To some extent</b></p> <p><b>No, it should be revised. Capital letters have been misused. Sentences are incorrect.</b></p> <p><b>No, it should be shortened.</b></p> <p><b>No.</b></p> <p><b>To some extent.</b></p> <p><b>No. Please ask authors to revise the references.</b></p>	
<p><b>Minor</b> REVISION comments</p> <ol style="list-style-type: none"> <li>1. <b>Is language/English quality of the article suitable for scholarly communications?</b></li> </ol>	<p>Not fully.</p>	
<p><b>Optional/General</b> comments</p>	<p>'healthcare providers can develop individualized treatment regimens that are more efficacious[5, 6].' All the citations are joined with text without spacing. This is high level of carelessness shown by the authors. Where is the abbreviation's full form for AI in abstract? The AI short form should be written only once in the over text. Tables are not properly formatted. Short form should be mentioned once. 'Artificial Intelligence (XAI) systems for healthcare professionals that can augment their cognitive processes and improve their decision-making abilities. In future studies, it is recommended to incorporate a new phase (section) of Explainable Artificial Intelligence (XAI)'XAI repeated????? Fig 2's caption and figure both are formatted poorly. Why is there high spacing? Table 2's caption should use word 'AI's' rather than AI. Methodology should be written in past. Please make the format of the paper according to the tempelate of the journal. Write here, 'the IEEE's Global Initiative on Ethics of Autonomous and Intelligent Systems offers extensive principles with the goal of ensuring ethical, transparent, and accountable development of artificial intelligence' The references you provided are mostly consistent with IEEE format, but there are a few issues to address for complete compliance. Below is a detailed comparison of your references with the IEEE style guide:</p> <p>General IEEE Reference Style Authors: Full first name initials and last names. Title of the Article: Enclosed in quotation marks.</p>	

**Review Form 1.7**

	<p>Title of the Journal/Conference: Italicized.          Volume and Issue: If applicable.          Page Numbers: Use "pp." if there are multiple pages, and "p." if only one.          Year: At the end.          DOI: If available, include it at the end.          Issues Identified          Missing DOI: Some entries lack DOI numbers.          Author Names: Ensure the correct format (initials followed by last name).          Journal Titles: Ensure they are italicized and properly abbreviated.          Page Numbers: Use "pp." instead of "p." for ranges.          Redundancy: Ensure no duplicate references.          Corrected References          Davenport, T. and R. Kalakota, "The potential for artificial intelligence in healthcare," Future healthcare journal, vol. 6, no. 2, pp. 94, 2019.          Soomro, T.A., et al., "Artificial intelligence (AI) for medical imaging to combat coronavirus disease (COVID-19): A detailed review with direction for future research," Artificial Intelligence Review, vol. 55, pp. 1-31, 2022.          Kumar, Y., et al., "Artificial intelligence in disease diagnosis: a systematic literature review, synthesizing framework and future research agenda," Journal of ambient intelligence and humanized computing, vol. 14, no. 7, pp. 8459-8486, 2023.          Oren, O., B.J. Gersh, and D.L. Bhatt, "Artificial intelligence in medical imaging: switching from radiographic pathological data to clinically meaningful endpoints," The Lancet Digital Health, vol. 2, no. 9, pp. e486-e488, 2020.          Bajwa, J., et al., "Artificial intelligence in healthcare: transforming the practice of medicine," Future healthcare journal, vol. 8, no. 2, pp. e188, 2021.          Johnson, K.B., et al., "Precision medicine, AI, and the future of personalized health care," Clinical and translational science, vol. 14, no. 1, pp. 86-93, 2021.          Amann, J., et al., "Explainability for artificial intelligence in healthcare: a multidisciplinary perspective," BMC medical informatics and decision making, vol. 20, pp. 1-9, 2020.          Check Hayden, E., "The automated lab," Nature, vol. 516, no. 7529, pp. 131-132, 2014.          Santamaría, J., O. Cerdón, and S. Damas, "A comparative study of state-of-the-art evolutionary image registration methods for 3D modeling," Computer Vision and Image Understanding, vol. 115, no. 9, pp. 1340-1354, 2011.          Deo, R.C., "Machine learning in medicine," Circulation, vol. 132, no. 20, pp. 1920-1930, 2015.          Sample Corrected Reference          For a complete verification and correction, please check all 80 references. The first ten have been corrected above. Pay special attention to ensuring author names are correctly abbreviated, titles are in quotes, and journal names are italicized. Also, ensure volume and issue numbers, as well as page ranges, are correctly formatted and consistent throughout.</p> <p>Additional Recommendations          Verify and add missing DOIs where applicable.          Ensure consistency in formatting across all references.          Remove any duplicates (e.g., references 5 and 15 are the same).          This thorough review will ensure that all references conform to IEEE standards.</p>	
--	---	--

**PART 2:**

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

[Review Form 1.7](#)

**Reviewer Details:**

Name:	<b>Bishwash Paneru</b>
Department, University & Country	<b>Tribhuvan University, Nepal</b>