

**Review Form 3**

Journal Name:	<b>Journal of Engineering Research and Reports</b>
Manuscript Number:	<b>Ms_JERR_121557</b>
Title of the Manuscript:	<b>A Framework for Fuzzy-Rule-Case-base Reasoning System for Automobile Repairs and Maintenance</b>
Type of the Article	<b>Original article</b>

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**PART 1: Review Comments**

<b>Compulsory</b> 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>
<p><b>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.</b></p>	<p>This manuscript is significant for the scientific community as it addresses the critical need for enhanced reliability and decision support in vehicle maintenance and repair systems. By documenting 134 cases from the Akwa Ibom Transport Company in Nigeria and utilizing fuzzy logic technology, the study presents a robust method for improving the confidence in automated diagnostic systems. I appreciate this manuscript for its practical application and innovative approach to solving real-world problems, thereby potentially reducing the reliance on human technicians and increasing the efficiency of vehicle maintenance processes. Additionally, the study's method of retaining solved cases in the case base for future reference demonstrates a valuable contribution to the development of intelligent, self-improving systems.</p>	
<p><b>Is the title of the article suitable? (If not please suggest an alternative title)</b></p>	<p><b>Yes</b></p>	
<p><b>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.</b></p>	<p>The abstract is fairly comprehensive, covering the main points of the study, including the problem addressed, the methodology used, and the significance of the findings.            However, there are a few areas where it could be improved for clarity and completeness:  <b>Objective and Scope:</b> The abstract could start with a clearer statement of the study's primary objective and scope.  <b>Methodology:</b> A brief mention of how fuzzy logic is applied in more detail could enhance understanding.  <b>Implications:</b> A sentence on the practical implications or potential impact of the study would add value.</p>	
<p><b>Are subsections and structure of the manuscript appropriate?</b></p>	<p><b>Yes... subsections and structure of the manuscript appropriate</b>            If possible, author can include practical implications such as</p> <ul style="list-style-type: none"> <li>• Impact on Vehicle Maintenance Efficiency</li> <li>• Reduction in Technician Reliance</li> <li>• Potential for Broader Applications</li> </ul>	
<p><b>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.</b></p>	<p>This manuscript appears to be scientifically robust and technically sound due to its systematic approach in addressing vehicle maintenance and repair challenges. The use of a case-based reasoning approach, supported by a substantial dataset of 134 documented cases from the Akwa Ibom Transport Company, provides a strong empirical foundation for the study. Additionally, the integration of fuzzy logic to approximate solutions for non-identical cases demonstrates a sophisticated use of artificial intelligence techniques, enhancing the reliability of the system. The methodology is well-defined, allowing for reproducibility and validation, which are crucial aspects of scientific research.</p>	
<p><b>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</b></p>	<p>Reference should be numbered and it should be reflected in the literature survey too</p>	

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Minor REVISION comments  <b>Is the language/English quality of the article suitable for scholarly communications?</b>	Grammar needs to be checked and rectified	
<b>Optional/General</b> comments	In preparing your revised paper, you should pay attention to: Please ensure that: all references have been cited in your text; Each citation should be written in the order of appearance in the text; The references must be presented in numbering and CITATION ORDER is SEQUENTIAL [1], [2], [3], [4], ..... NOT randomized. Recent scholarly reference can be added	

**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>	

**Reviewer Details:**

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