



I. K. Press

Journal Name:	Journal of Basic and Applied Research international
Manuscript Number:	Ms_JOBARI_12230
Title of the Manuscript:	ROOT CAUSE ANALYSIS, APPLICATION OF REGRESSION AND SEM MODEL, AND REVITALIZATION STRATEGIES FOR DECLINED PRODUCTIVITY OF AN AUTOMOTIVE MANUFACTURING COMPANY.
Type of the Article	



1: Review Comments

	Reviewer's comment	Author's feedback
<p>Compulsory REVISION comments</p> <p>1. Is the manuscript important for the scientific community? (Please write a 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>1. Yes, this study's findings on political, mechanical, and financial challenges contribute to the broader understanding of factors affecting industrial performance and highlight potential areas for policy and management interventions.</p> <p>2. The title of the article is detailed and informative, accurately reflecting the core components of the study. However, it could be streamlined for clarity and impact. Here are a few alternative suggestions:</p> <p>a. Root Cause Analysis and SEM-Based Revitalization Strategies for Automotive Manufacturing Productivity Decline.</p> <p>b. Improving Productivity in Automotive Manufacturing: A Combined Approach of Root Cause Analysis and SEM Models.</p> <p>3. The abstract is comprehensive in detailing the research focus, methodology, key findings, and recommendations. It covers the essential elements needed for readers to understand the scope and outcomes of the study. However, there are a few suggestions to improve clarity and readability:</p> <p>Title Simplification: Start with a concise statement of the study's objective.</p> <p>"This study investigates the root causes of productivity decline in the automotive assembly section of a Nigerian industry, and proposes revitalization strategies and optimization models."</p> <p>4. Clear subsections: Break down the abstract into</p>	



<p>4. Are subsections and structure of the manuscript appropriate?</p>	<p>distinct sections for background, methodology, findings, and recommendations.</p> <p>Background: "Mismanagement in productivity measures, particularly in labor and capital, is a major cause of failure in manufacturing industries."</p> <p>Methodology: "Data was collected through questionnaires, company records, and analyzed using Excel and MATLAB software. Regression and SEM models were applied."</p> <p>Findings: "Political factors, machine failure, and financial challenges were identified as the top root causes, with impacts of 20%, 18%, and 15% respectively. The models showed a good fit, with regression and SEM estimates of 95% and 90%."</p> <p>Recommendations: "Strategies include financial restructuring and technological innovation to enhance operational efficiency and align with industry standards."</p>	
<p>5. Do you think the manuscript is scientifically correct?</p>	<p>5. Language and Grammar: Improve sentence structure and grammar for better readability.</p> <p>"The applied models indicated a commendable goodness of fit, with regression and SEM models showing 95% and 90% fit respectively."</p> <p>6. The provided references are generally sufficient and recent, encompassing a range of studies on predictive maintenance, lean manufacturing, and optimization in the automotive and related industries. However, it may be beneficial to include additional references that focus more specifically on structural equation modeling (SEM) and its application in the automotive industry, as well as recent advancements in Industry 4.0 and IoT for predictive maintenance.</p>	



<p>6. Are the references sufficient and recent? If you have suggestions for additional references, please mention them in the review form.</p> <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>		
<p><u>Minor</u> REVISION comments</p> <p>1. Is the language/English quality of the article suitable for scholarly communications?</p>	<p>Language and Grammar: Improve sentence structure and grammar for better readability.</p>	
<p><u>Optional</u> comments</p>	<p>The manuscript is important for the scientific community as it provides valuable insights into the root causes of collapse in the automotive assembly sector and proposes revitalization strategies using SEM and regression analysis. The research addresses key challenges such as political factors, machine failure, and financial issues, which are crucial for improving productivity and sustainability in manufacturing industries.</p>	

PART 2:

	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>Are there ethical issues in this manuscript?</p>	<p><i>(If yes, Kindly please write down the ethical issues here in details)</i></p>	



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