

Review Form 1.7

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| Journal Name: | Journal of Engineering Research and Reports |
| Manuscript Number: | Ms_JERR_113698 |
| Title of the Manuscript: | An Automatic Sliding Door: Leveraging Locally Sourced Materials for Innovation |
| Type of the Article | Original Research Article |

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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) |
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| <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> | <ol style="list-style-type: none"> Abstract: Make the abstract more concise by focusing on key points: problem statement, methodology, results, and significance. Consider restructuring the abstract to flow more smoothly and improve readability. Innovation and Significance: The paper addresses a relevant and practical problem by proposing a cost-effective automatic sliding door system using locally sourced materials. This innovation has the potential to have a significant impact on various sectors, including construction, healthcare, and accessibility. Methodological Rigor: The paper demonstrates a systematic approach to designing, constructing, and testing the automatic sliding door system. The use of simulations, calculations, and functionality tests adds credibility to the methodology and ensures the reliability of the results. Local Relevance: The emphasis on using locally sourced materials and addressing the specific needs and challenges faced in Nigeria adds value to the research. This approach promotes local innovation, reduces reliance on imports, and contributes to economic development. Clarity and Readability: While the paper contains valuable technical information, there is room for improvement in terms of clarity and readability. Some sections, particularly the material and methods, could be simplified or structured more clearly to enhance understanding for a broader audience. Conclusion and Future Directions: The conclusion effectively summarizes the main findings and highlights the potential impact of the research. However, it could be strengthened by providing clearer implications for future research directions or practical applications of the automatic sliding door system. Overall Impact: Despite minor areas for improvement, the paper makes a valuable contribution to the field of automation and innovation. With some revisions to improve clarity and presentation, the research has the potential to be widely recognized and cited within both academic and practical contexts. | |
| <p>Minor REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p> | <p>Overall, the paper is well-written, but there are occasional grammatical errors and awkward phrasings that could be addressed through careful proofreading and editing.</p> | |
| <p>Optional/General comments</p> | <p>Recommendations for Improvement:</p> <ol style="list-style-type: none"> Simplify the presentation of technical calculations for better clarity. Use subsection headings to improve the organization of the material and methods section. Provide deeper insights and implications of the results in the discussion section. Consider incorporating future directions or potential applications of the research in the conclusion. | |

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

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Reviewer Details:

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| Department, University & Country | Kongu Engineering College, India |