

# Review of: "Design and Realization of a Low-Cost Smart Walking Aid for Visually Impaired and Blind People"

Nebojsa Bacanin<sup>1</sup>

<sup>1</sup> Singidunum University

Potential competing interests: No potential competing interests to declare.

Dear Authors,

Although the proposed manuscript has merits, there are some issues that need to be addressed.

My observations are below.

1. The abstract should be slightly reformulated to highlight the main ideas and contributions of the proposed research. The abstract should emphasize a problem that is being solved, the importance of the problem, the employed methods, and the achieved results, along with the methods used in the comparative analysis.

2. The introduction should be clearly presented to highlight the main ideas and motivation behind the proposed research. Please include and clearly state the research question and contributions of the proposed study in the introduction. Also, please clearly explain what is "beyond state of the art" in the proposed study.

3. The literature review should be improved, and more recent references should be added. Here is one recent manuscript:

[Elderly and visually impaired indoor activity monitoring based on Wi-Fi and Deep Hybrid convolutional neural network | Scientific Reports \(nature.com\)](#)

4. I did not see in the manuscript where you compared your approach to state-of-the-art (SOTA) baseline approaches. More methods should be included in the comparative analysis.

5. Visualization of results should be improved - consider using box and whiskers diagrams, swarm plots, etc.

6. The conclusion should be extended to include more details regarding the future work and limitations of the proposed study. Limitations should be distinguished between theoretical and practical.

7. Some references are missing parts, such as pp., publisher, year, etc.

8. There are some English language and technical errors; please revise, e.g., tables must be aligned in the center of the page, all symbols in equations must be defined, etc.



