Review of: "IoT Noise And Air Quality Observation System"

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Potential competing interests: No potential competing interests to declare.

The paper presents a relevant and practical project addressing critical safety concerns in hospitals. However, the lack of technical depth, substantiated claims, and comparative analysis limits its impact. Addressing these gaps would significantly enhance the paper's rigor and contribution to IoT-based safety systems. Furthermore, the paper would benefit from the inclusion of more updated references to strengthen its relevance and reliability. Integrating recent studies and findings related to the topic will demonstrate the author's awareness of current developments in the field and ensure that the paper remains up-to-date.

https://www.researchgate.net/publication/331049288_Internet_of_things_utilization_for_ehealthcare_monitoring

These enhancements will contribute to the overall quality and impact of the paper, enhancing its value to the academic community and readers interested in the subject matter.

Suggestions for Improvement

1. Revise for more technical depth and highlight the system's unique contributions.
2. Include specific examples or potential benefits, such as reduced response times during emergencies.
3. Incorporate statistical data or case studies to establish the significance of the problem.
4. Discuss existing systems or solutions for air and noise quality monitoring to emphasize the novelty of this project.
5. Provide a deeper explanation of sensor thresholds, calibration, and data processing.
6. Elaborate on the configuration and functionality of the Blynk application.
7. Substantiate claims with data or real-world examples.
8. Broaden the scope to include other high-risk environments, such as factories or schools.
9. Detail the simulation process, including tools, methodologies, and results.
10. Justify the choice of hardware and software components.
11. Propose a detailed roadmap for hardware implementation and testing.
12. Explore integrating AI/ML for predictive analytics or adaptive threshold settings.