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

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Potential competing interests: No potential competing interests to declare.

In this work, an "IoT Noise And Air Quality Observation System" has been presented to detect noisy unwanted sounds and gas leaks. Having read this work, several shortcomings are observed and listed in the following points:

1-Please select (3-5) keywords that describe the overall system design.

2-The introduction should include four key points: Background and motivation, objective, contribution, and the organization of the manuscript. Currently, the introduction part needs to be improved based on the mentioned key points.

3-It is essential to include references for every model. Please consider providing proper citations for the introduction and the theoretical background (sensors) sections, in addition to every section that lacks references.

4-Improve the resolution for Figures (3.3) and (4.1).

5-The problem and solution, in addition to the results and discussion sections, do not provide or discuss a new model to solve the mentioned problem. This work provides well-known techniques that are used widely across the web to solve the mentioned problem.\

6-The authors suggested redesigning this work again or improving it by presenting completely new techniques/methods.

7-Please discuss the effectiveness of this work by comparing the presented new model suggested in point 6 with other works.

8. Provide an enhancement percentage of this work (new model) over other existing works and include these percentages in the abstract and conclusion sections.\

9-Please discuss the limitations of this work in the conclusion section.

From my point of view, this work is limited with old techniques. This work cannot go further until novel models/techniques are presented.