

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

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**Potential competing interests:** No potential competing interests to declare.

I advise the author to use an English language editor's services to check usage of tenses, articles, and grammar in general. The author should use the passive tense when speaking about himself.

In the keywords section, the author should split the sentence into actual keywords, not write a whole sentence. For example: Air pollution detection; Noise pollution detection; Blynk, IoT.

The article has only 5 references in the reference list, from which only 3 refer to journal articles. The amount and quality of references are not sufficient for a research paper. References are not formatted according to any of the reference styles, and it is not possible to find citations in the text. All the figures are missing references to the source.

There are several statements such as "hospitals are areas with a high potential to be exposed to pollution" without any reference to a source.

The author should be more specific about which gases may be present in a hospital and harm patients and staff, because the statement "the gas sensor detects any gas leak" is not true, since there is no IoT gas sensor that could detect all the gases (the offered MQ-2 sensor detects only methane, butane, LPG, and smoke). When the gases are listed, it would be possible to search for specific sensors that could detect the gases.

The overall concept of the proposed system is not clear. Where would the sensors be located in a hospital, in every room or only in some particular rooms? Where will the buzzers be located, in every room or only in the security office? If the buzzers turn on, wouldn't it be seen as sound pollution, which might lead the system to not turn the buzzer off ever? Is it effective to use a Wi-Fi module in a hospital? I mean, will there be sufficient Wi-Fi coverage in all hospital areas to send the data? Additionally, what exactly is the business need (research question) for this solution, since each hospital should have an internal fire security and alarm system, which simply might be upgraded with some extra sensors to increase the functionality?

To conclude, the paper does not contain the qualities a research paper should have and is rather considered a study project that is not a matter for publishing.