

Review of: "Visualization of Home Security Sensor System Based on IoT Server"

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Potential competing interests: No potential competing interests to declare.

The authors have presented the visualization plan of an IoT (Internet of Things) based Arduino home security system using motion and gas sensors to avoid crime, theft and other losses, in absence of any person in the home. Both hardware and software are tested for this purpose. However, there are certain things that I would like to point out.

In the Introduction part, it would be better to have thefts and house fire case numbers to strongly support the statement. In the Microcontroller section, it is mentioned, "So it can be said that the size of a computer microcontroller". This is an incomplete sentence, and no meaning can be drawn out of it. There are similar sentences in this particular section. The information provided in this section is not essential as this is very basic and obvious. If any new information can be furnished, the authors must investigate it. Sources of Figures 1 and 2 should be mentioned. The AC-DC converter mentioned in Figure 3 has been designed by the authors or is it an already available component taken from the market? If the authors have developed it, the details should be mentioned in the paper. If not, the source should be mentioned. "Arduino IDE Ver" is incomplete.

What would happen if the owner owned a pet? How would the system differentiate between the pet and an intrusion in such a scenario? Also, the buzzer is used as a warning for no internet connection. In such a case how does the system work and how can it inform the user? What if there is an intrusion or a leakage and the internet connection go off simultaneously? Figure 8 should be redrawn in such a way that it is clear to all the readers. The dashboard display depicted in Figure 9 is unclear. Similar is the case with the Figures shown in the results section. It lacks clarity and nothing can be inferred from it. These need to be modified such that it has clarity.

Carry out an English spell check to avoid grammatical and spelling mistakes. Paper should be formatted uniformly.