Review of: "Design of a Smart Motorcycle Parking System based on Wireless Sensor Network (WSN) in a Multilevel Building at Universitas Pendidikan Indonesia"

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Potential competing interests: No potential competing interests to declare.

The system is trying to solve a real problem, and there is evidence for it. The problem is well explained, giving the reader a good context. Gaps in similar studies have been clearly stated. The project is generally good and innovative. However, the following needs to be addressed:

1. The paper needs to review more literature in order to establish more facts.
2. The methods section is still lacking - it provides the PCB design, which should be placed in the results. It will be better to speak about the tools used, programming languages, why the tools were selected, types of parameters picked, sensors, etc. Also, while the schematic is provided, it is not clear, nor is an explanation provided.
3. Figure 6 lacks a "No" option.
4. Figure 5, "Open gate for each floor" - It is better for one to see available slots indicating location and floor so that they can go directly to that space instead of opening all gates.
5. It's not clear how wrong parking is detected.
6. If there is wrong parking, it's better to ban users so that their ID is suspended for some time.
7. Add more analytics to the system to help in decision making, such as - which floors are most busy, which students spend the most time in parking, etc. These can help in optimizing resources such as power, security, etc.
8. It's not clear how the slots are identified.