Review of: "A Smart Vehicle Charging Station Identification Based On IOT with Hybrid Grey Wolf-Bat Optimization Enriched On Artificial Neural Networks Recognition Methods"

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This study establishes the groundwork for a smart Transportation Management Center that assigns EVs to the charging station through Internet of Things (IoT) communications. The system has the capability to identify charging station locations and determine optimal routes using data acquired from video cameras at stations and real-time traffic information. This work proposes an interesting concept and the application described is encouraging enough to merit further investigation. However, there are significant concerns regarding the writing style and methodology of this work that require additional attention

1. My main concern is the lack of a detailed description in the methodology section. While sufficient attention has been given to the introduction and background, the methodology and results sections are too brief and leave room for reader interpretation. It is important to provide a compelling explanation for the choice of the GWOBA approach, including the underlying mathematical background, its role in the search process, and the optimization methods employed.

2. I suggest a complete rewrite of the section on Probability Correlated Neural Network (PCNN) based Identification. It is crucial to clarify the classification being performed and provide details about the input variables. Furthermore, step 2 lacks a description, and it would be beneficial to provide further insights into this process.

3. I couldn't quite capture the logic behind the methods, but the following are my thoughts regarding locating an EV charging station:

a. Does the selection of a charging spot consider electricity charging pricing, as this could significantly impact user decisions?

b. If a slot is allocated to a target user at a charging station, does it remain reserved exclusively for that user until they arrive? If not, how are conflicts managed? Additionally, is detour travel time considered in user choice?

4. Please ensure that all figures have descriptive titles and units. Figures 2 and 3 require clearer labels, and figures 4 and 6 appear blurry and of low quality, so it is advisable to regenerate them. Furthermore, tables 2 and 3 would benefit from more informative titles and units. The entire results section lacks a compelling argument to convey the findings effectively.

5. It is essential to improve the writing style to maintain a more professional tone. Additionally, there are numerous errors in English throughout the manuscript that should be addressed.