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| Book Name: | [Engineering Research: Perspectives on Recent Advances](https://www.bookpi.org/bookstore/product/engineering-research-perspectives-on-recent-advances-vol-1/) |
| Manuscript Number: | **Ms\_BPR\_4176** |
| Title of the Manuscript:  | **Wireless edge device intelligent task offloading in mobile edge computing using hyper‑heuristics** |
| Type of the Article | **Book chapter** |

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| PART 1: Comments |
|  | Reviewer’s comment | Author’s Feedback *(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)* |
| **Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.** | This manuscript addresses the critical challenge of task offloading in mobile edge computing (MEC) environments using a novel hyper-heuristic framework, HHFSHS. It is highly relevant, given the rising demand for efficient computational resource utilization in IoT and MEC systems. The work contributes by combining stochastic heuristic selection and multi-objective optimization, demonstrating significant improvements in latency and energy consumption. These contributions are valuable for researchers and practitioners in wireless edge computing and optimization. |  |
| **Is the title of the article suitable?****(If not please suggest an alternative title)** | Yes, the title, *"Wireless Edge Device Intelligent Task Offloading in Mobile Edge Computing Using Hyper-Heuristics,"* is appropriate, accurately reflecting the study's objectives and methodology. |  |
| Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here. | The abstract is comprehensive, providing a clear overview of the objectives, methods, and results. However, it could include more quantitative performance metrics, such as the reduction in latency and energy consumption compared to benchmarks, to increase its impact. |  |
| **Is the manuscript scientifically, correct? Please write here.**  | The manuscript is scientifically accurate, with robust theoretical models, clear problem formulation, and methodical validation through simulations. However, a broader dataset and scalability analysis would enhance its real-world applicability. |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.****-** | The references are sufficient and recent, covering a range of foundational and contemporary studies. Adding references to emerging trends in reinforcement learning for task offloading could further strengthen the manuscript. |  |
| Is the language/English quality of the article suitable for scholarly communications? | The language is suitable for scholarly communication, with clear and concise presentation. Minor grammatical refinements could improve flow and readability. |  |
| Optional/General comments | The manuscript could benefit from discussing the practical deployment challenges of the proposed framework, such as computational overhead and adaptability in dynamic MEC environments.The manuscript offers a significant contribution to mobile edge computing by introducing the HHFSHS framework for task offloading. The proposed approach effectively addresses multi-objective optimization challenges in latency and energy consumption, leveraging advanced stochastic heuristic selection methods. The experimental validation is thorough, with clear performance improvements over existing algorithms.Areas for improvement:1. The inclusion of quantitative comparisons with state-of-the-art algorithms, such as reinforcement learning-based methods, would strengthen the analysis.
2. The discussion on scalability and real-world applicability, particularly in dynamic MEC environments with mobility constraints, should be expanded.
3. Practical challenges, such as computational overhead and energy costs associated with implementing the framework in real-world settings, need further exploration.
4. Minor language refinements and additional metrics in the abstract to summarize key results would enhance readability and clarity.
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| **PART 2:**  |
|  | **Reviewer’s comment** | **Author’s comment *(if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)*** |
| **Are there ethical issues in this manuscript?**  | ***(If yes, Kindly please write down the ethical issues here in details)*** |  |

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| **Reviewer Details:** |
| Name: | **Girish Wali** |
| Department, University & Country | **USA** |