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Book Name:	<u>Research Updates in Mathematics and Computer Science</u>
Manuscript Number:	Ms_BPR_491
Title of the Manuscript:	Comparison and Optimization of Energy Efficient Algorithm for Component Base Distributed Computing in 5G Networks
Type of the Article	Book Chapter

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PART 1: Review Comments

	Reviewer's comment	Author's comment <i>(If agreed with the reviewer, correct the manuscript and highlight that part in the manuscript. Authors must write his/her feedback here)</i>
Is the manuscript important for the scientific community? Please write a few sentences explaining your answer	Yes The comparative studies of component-based distributed computing systems contribute to advancing the state-of-the-art in distributed computing by fostering innovation, improving system design, and facilitating informed decision-making in both academia and industry. By comparing different component-based distributed computing frameworks, researchers can evaluate their performance in terms of scalability, throughput, latency, and resource utilization. This helps in understanding which framework is better suited for specific applications or use cases.	
Is the title of the article suitable? Do you have any alternative Title in your mind?	Alternative Title could be: “An Energy Efficient Algorithm for the Comparison and Optimization of Component Base Distributed Computing in 5G Networks”	
Is the abstract of the article comprehensive? If your answer is No, please provide suggestions	No Abstract description is very very short and it is not clearly mentioning the purpose. I am rephrasing the abstract as follows: In today's global landscape, both wired and wireless networks are ubiquitous, serving as essential infrastructures across various sectors such as software industries, educational institutions, and enterprises utilizing distributed data centers. Data transmission within these networks often parallels the flow of electricity in a linear manner. However, this process incurs energy consumption, resulting in a carbon footprint, primarily in the form of CO2 emissions. The methods employed for data transmission can be broadly categorized into two types: Communication-Based and Component-Based. This paper focuses on a comparative study of energy consumption in component-based data transmission, particularly examining the utilization of the Bellman-Ford Algorithm and Dijkstra's Algorithm. These algorithms are fundamental in determining optimal paths for data transmission within network architectures. By analyzing their energy consumption profiles, insights can be gained into the environmental impact and efficiency of data transmission methodologies. The study presents empirical results and findings derived from the comparison, shedding light on the energy efficiency and carbon footprint associated with each algorithm. Through meticulous measurement and analysis, this paper contributes to the understanding of energy consumption patterns in component-based data transmission systems. The implications of these findings extend to the optimization of network protocols and algorithms to mitigate environmental impact while enhancing performance and reliability.	
Do you think the English quality of the article is suitable for scholarly communications? If your answer is No, please provide suggestions	Yes	

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Please provide your comments regarding the appropriateness of different sections of the manuscript.	1. Introduction: Introduction is OK but the images used should be self drawn. For example in fig2 the labels are not visible clearly. 2. Literature Review: OK 3. Methodolgy Used: OK. Flow chart 1 is not readable clearly. Kindly take clear screenshot. Table3. Energy computed In various components used Dynamic Voltage Frequency Scaling (DVFS) for processor Formatting issue in the above table name: It should be "Table 3". 4. Result and Discussion Ok 5. Conclusion Ok	
Do you think that the references in the manuscript are proper, recent and sufficient? If you have any suggestions, please write here.	Yes	

PART 2:

	Reviewer's comment	Author's comment <i>(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)</i>
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

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