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| Book Name: | [**New Horizons of Science, Technology and Culture**](https://bookstore.bookpi.org/product/new-horizons-of-science-technology-and-culture-vol-1/) |
| Manuscript Number: | **Ms\_BPR\_6011** |
| Title of the Manuscript: | **Integration of Computer Science Techniques in Healthcare Management Systems: A Review** |
| Type of the Article | **Book Chapter** |

**Special note:**

**A research paper already published in a journal can be published as a Book Chapter in an expanded form with proper copyright approval.**

**Source Article:**

**This chapter is an extended version of the article published by the same author(s) in the following journal.**

**Library Progress International, 44(3): 7190-7200, 2024.**

**DOI:** [**https://doi.org/10.48165/bapas.2024.44.2.1**](https://doi.org/10.48165/bapas.2024.44.2.1)

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| PART 1: Comments | | |
|  | Reviewer’s comment **Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.** | 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 is significant as it explores the growing intersection between computer science and healthcare management, an area critical to addressing modern healthcare challenges. By reviewing and analyzing various computer science techniques—including machine learning algorithms, IoT, blockchain, and big data analytics—the chapter highlights their role in improving diagnostic accuracy, patient monitoring, data security, and decision-making efficiency. The study provides useful insights and a well-structured comparative analysis, offering value for future research and technological integration in health systems. |  |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | Yes, the title accurately reflects the scope and content of the article. |  |
| 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 mostly comprehensive, summarizing the purpose, key methods, and findings. However, it could benefit from a slight revision for clarity and grammar. For instance, the sentence about experimental improvements (“30/40%” and “40/40%”) should be clarified—likely a typo. Additionally, the mention of specific algorithms and technologies can be made more concise and structured |  |
| **Is the manuscript scientifically, correct? Please write here.** | Yes, the manuscript is scientifically sound. It provides a robust review of algorithms with practical applications in healthcare using comparative experiments on benchmark datasets. The methods and results are logically presented, and the use of pseudocode and tables adds technical clarity. |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.**  **-** | Yes, the references are sufficient and recent, with most cited works from 2023–2024. They cover a wide range of sources in AI, IoT, machine learning, and healthcare applications. No additional references are necessary. |  |
| Is the language/English quality of the article suitable for scholarly communications? | The manuscript generally uses appropriate academic language. However, there are a few grammatical and syntactical issues throughout the text, such as awkward phrasing, inconsistent tense, and some redundancy. Minor language editing is recommended to improve overall fluency and clarity. |  |
| Optional/General comments |  Figures and tables are informative and well-organized.   The inclusion of pseudocode enhances the technical rigor.   The comparative analysis with related work is valuable.   The manuscript would benefit from minor proofreading for typographical and grammatical consistency. |  |

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| **PART 2:** | | |
|  | Reviewer’s comment | Author’s comment *(if agreed with the 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 detail)*  No |  |

**Reviewer details:**

**Tumu Rajasekhar Babu, United States**