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| Book Name: | [Medical Science: Trends and Innovations](https://www.bookpi.org/bookstore/product/medical-science-trends-and-innovations-vol-1/) |
| Manuscript Number: | **Ms\_BPR\_4987** |
| Title of the Manuscript: | **AI-Powered Simulation and Virtual Reality in Medical Training: Current Trends and Future Prospects** |
| Type of the Article | **BOOK CHAPTER** |

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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 paper gives a thorough look at how Artificial Intelligence (AI) and Virtual Reality (VR) are being used in medical education, focussing on how they can improve surgical training, clinical decision-making, and emergency reaction. These technologies are changing the way medical education is done by providing real-time feedback, adaptive learning, and AI-powered evaluation tools. The study does a good job of talking about important problems like cost, accessibility, and moral issues. It also talks about new ideas for the future, like physical feedback and natural language processing. Its results are very useful for researchers, teachers, and lawmakers who want to improve medical training that is immersive and based on technology. Improving the science language will make it even more useful for scholars. |  |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | **YES** |  |
| 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. | **Require reframe with refinement/add in objective,methodology and outcome of the study.** |  |
| **Is the manuscript scientifically, correct? Please write here.** | The paper is well-researched and scientifically correct; it gives an in-depth look at how AI-powered virtual reality (VR) can be used to teach medicine. There is a clear presentation of current trends, applications, challenges, and future prospects in the talk, which is organised in a way that makes sense. The study is based on useful research and new developments, which means that the claims are true. There is a lot of information about how to combine AI-driven feedback, adaptive learning, and virtual models. Real-life examples and case studies are used to make the research more scientifically sound.  The manuscript does meet high academic standards, but the scientific writing could be improved to make it more in line with how research articles are written. Improving the manuscript's technical accuracy, clarity, and sentence structure will make it easier to read and increase its effect on the scientific community. |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.**  **-** | **Add more latest references** |  |
| Is the language/English quality of the article suitable for scholarly communications? | OK |  |
| Optional/General comments |  |  |

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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)* |  |

**Reviewer details:**

**Sanjeev Gour, India**