|  |
| --- |
|  |
| Book Name: | [**Language, Literature and Education: Research Updates**](https://www.bookpi.org/bookstore/product/language-literature-and-education-research-updates-vol-1/) |
| Manuscript Number: | **Ms\_BPR\_4744** |
| Title of the Manuscript:  | **Learning in the Metaverse: A Constructivist Approach to Using Virtual Reality in the Classroom** |
| Type of the Article | **Book Chapter** |

|  |
| --- |
| 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.** | The manuscript addresses a **highly relevant and evolving topic.** With the increasing accessibility of VR technology, its **integration into education is gaining momentum**. This makes the study a **valuable contribution** to both **academic research and practical implementation.** The paper successfully connects **learning theories** with **technological advancements.** It also offers a **solid theoretical foundation** for VR-based pedagogy. M**ore emphasis on real-world applications, scalability and empirical validation** will enhance its impact and practical utility for educators and policymakers. |  |
| **Is the title of the article suitable?****(If not please suggest an alternative title)** | The term **"Metaverse"** in the current title is broad and implies a futuristic scope, rather than the **immediate and practical implementation of** Virtual Reality Learning Environments (**VRLEs) in education****Suggested Alternative Title:** **"Constructivist Learning in Virtual Reality: Enhancing Classroom Engagement through VRLEs"****Here, the** focus is clear on **VRLEs and constructivist learning** |  |
| 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 gives a good overview of the paper, but a few modifications can be made: The phrase **"Some disciplines have been using VRLEs for student learning for several years"** should specify **which disciplines** (e.g: medicine, engineering, psychology, etc.).It highlights challenges such as cost, space, usability, cybersickness,etc. It does not mention any proposed solutions. Author(s) can brieflymention possible mitigations to make the abstract more balanced.The seven-step model for constructive VRLE implementation is an important contribution, but is not emphasized enough. Author(s) shall clearly state it as one of the major takeaways. |  |
| **Is the manuscript scientifically, correct? Please write here.**  | The manuscript is **scientifically sound**, with a well-grounded discussion of **constructivist learning theories** and their **alignment with VR-based pedagogy.** The theoretical arguments are well-supported by relevant literature. D**escriptive study design** is apt for exploring VRLE implementation. This paper can be **further strengthened with empirical validation**, such as **case studies, controlled experiments or student performance data** to provide solid evidence of **VRLE effectiveness** in the real-world educational settings. |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.****-** | The References list is extensive and well-curated, covering both foundational theories and contemporary studies on VR in education. I recommend the inclusion of more recent literature (2022–2024) to reflect the latest advancements in the field. Author(s) can add the following sources to bridge the gap between theoretical discussion and recent empirical findings, fortifying the academic rigor of the manuscript* Dede et al. (2022) explored **VR’s role in experiential learning for STEM disciplines**, offering a framework for integrating VR in **science and engineering education**.
* Xie et al. (2023) examined **cognitive load in VR education**, providing insights into how VR impacts **student information processing and retention**.
* Jensen and Konradt (2024) analyzed **VR’s impact on student engagement and retention rates**, which would support your paper’s argument on **VRLEs enhancing motivation and learning outcomes**.

Author(s) kindly check these sources. |  |
| Is the language/English quality of the article suitable for scholarly communications? | The manuscript is **well-written** and maintains an **academic tone,** but at a few places, the **sentences are overly complex** or **redundant.** Author(s) can simplify certain passages to improve readability and the overall flow. Please take up a **language review for clarity.** |  |
| Optional/General comments | The **classification of levels of VR immersion** (non-immersive, semi-immersive, fully immersive) is **well-articulated**. Author(s) can add the **practical classroom examples** to make these distinctions **more tangible** for educators. The section on **cybersickness** is important. Author(s) can incorporate the **latest research on mitigation strategies (**e.g. **higher frame rates, motion prediction algorithms, adaptive VR interfaces)** & **add to completeness**.The **feasibility study** is strong. Try **expanding on teacher training, institutional adoption challenges and accessibility considerations** to provide **valuable practical insights.****Revisions are required** before publication. With the above mentioned changes, the manuscript has a **strong potential** to be a valuable resource for researchers, educators and policymakers in **educational technology.** |  |

|  |
| --- |
| **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)* |  |

**Reviewers:**

S Sriranjani Mokshagundam, India