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| Book Name: | [An Overview of Literature, Language and Education Research](https://www.bookpi.org/bookstore/product/an-overview-of-literature-language-and-education-research-vol-1/) |
| Manuscript Number: | **Ms\_BPR\_4389** |
| Title of the Manuscript:  | **Case Studies: The Impact of Artificial Intelligence on STEM Education** |
| 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.** | **The introduction of innovative technologies into the educational process of educational institutions is currently relevant, since elements of artificial intelligence and STEM education technologies are an important means of improving teaching in engineering, technical and physical and mathematical disciplines. In the article, the authors consider two technologies, robotics and learning management systems, used in the work of teachers and introduced into the educational process for the study of physics and computer science. An important aspect of the work is that experimental research and testing of the research were conducted.** |  |
| **Is the title of the article suitable?****(If not please suggest an alternative title)** | **The title of the article reflects the essence of the research content.** |  |
| 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. | **I propose to correct the abstract of the article, namely to specifically describe the purpose of the research, the subject and object of the research, the research methods (theoretical: questionnaires, surveys, etc.; empirical (what criteria were used to calculate statistics and the effectiveness of the implementation of robotics, STEM technologies, etc.) and to specify the relevance of the research, the results of empirical research.** |  |
| **Is the manuscript scientifically, correct? Please write here.**  | **There is a scientific component in scientific research, but it needs to be strengthened and specified:****1. By analyzing the latest scientific research in the field of artificial intelligence and STEM technologies (it is advisable to analyze articles from Scopus and Web of Science).****2. Specify the information of the empirical research with graphs, diagrams, tables on obtaining data and conducting a pedagogical experiment on the effectiveness of implementing robotic systems, STEM technologies, etc.****3. Specify the conclusions regarding the results obtained and describe further prospects for scientific research.** |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.****-** | **Suggestion for references and used literature:****Authors should update references to research, as outdated aspects are used in teaching methodology and the use of innovative technologies, such as STEM technologies, robotic systems, digital technologies.****It is advisable to use an analysis of scientific research over the past five years, citing articles from Scopus, Web of Science.** |  |
| Is the language/English quality of the article suitable for scholarly communications? | **It is advisable to also proofread the article for syntactic and spelling errors.** |  |
| Optional/General comments | **After revision, the article may be accepted for publication by the editorial board of a scientific publication.** |  |

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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: | **Kuzmenko Olha** |
| Department, University & Country | **Donetsk State University of Internal Affairs, Ukraine** |