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| Book Name: | [**Medical Science: Recent Advances and Applications**](https://bookstore.bookpi.org/product/medical-science-recent-advances-and-applications-vol-1/) |
| Manuscript Number: | **Ms\_BPR\_5440** |
| Title of the Manuscript: | **Needs Assessment for Inclusion of Artificial Intelligence in Undergraduate Medical Curriculum** |
| 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 is of great relevance to the global scientific and medical education community because it highlights an important disconnect between the fast-paced development of Artificial Intelligence (AI) and the readiness of prospective medical professionals. By a rigorous evaluation of the knowledge, views, and requirements of undergraduate medical students regarding AI, the research provides strong evidence for the need to integrate AI skills into medical curricula urgently. The conclusions have the potential to guide education policy reform, thus ensuring that future doctors are well-equipped to incorporate artificial intelligence tools in a productive and ethical manner into practice. This study makes an important contribution to international debate regarding the modernization of medical education during the process of technological change. |  |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | Yes  I suggest **Evaluating the Necessity of Artificial Intelligence Education in the MBBS Curriculum.** for alternative title. |  |
| 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 covers the crucial sections such as background, objective, methodology, main findings, and conclusion. However, it requires improvement in grammar and sentence clarity. Some points are wordy or vague and need rephrasing for greater clarity. The abstract would be improved by the incorporation of the study setting (rural South India), the number of valid responses analyzed (369), and a more explicit conclusion that directly connects the findings to their implications for curriculum development. Furthermore, minor grammatical corrections and enhancements in flow will contribute positively to its overall quality. |  |
| **Is the manuscript scientifically, correct? Please write here.** | Yes Overall, the manuscript is exact in scientific terms. Material and methods Appropriate cross-sectional design using a validated questionnaire to measure the perception and the demand of AI-education among medical students. Study design, sample size calculation, methods of data analysis, and ethical approval are appropriately described. The findings are in line with the aims of the study, and the discussion adequately links them to previous literature. Together with slight improvements in statistical reporting and in depth analysis, the scientific robustness might be enhanced as well. |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.** | Yes, the references are largely sufficient and relatively recent. |  |
| Is the language/English quality of the article suitable for scholarly communications? | 1. Grammatical Errors & Sentence Structure 2. Redundancy & Repetition 3. Punctuation & Formatting(missing commas, periods) 4. Inconsistent Use of Technical Terms(Artificial inteliigence should be **Artificial Intelligence &** AI competences should be **competencies)** *typo + capitalization* |  |
| Optional/General comments | NIL |  |

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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?** |  |  |

**Reviewer details:**

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