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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\_5918** |
| Title of the Manuscript:  | **Student Result Analysis System using Python Libraries** |
| 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 chapter presents a novel and useful method for leveraging Python modules to automate the extraction and analysis of student academic data from PDF documents. Through the integration of libraries like PyPDF2, Matplotlib, OpenPyxl, and Tkinter, the suggested solution provides educational institutions with an easy-to-use, scalable, and flexible tool to simplify data management. Decision-making and reporting efficiency are significantly enhanced by its ability to parse a variety of academic formats, provide insightful visualizations, and export structured data to Excel. The study makes a significant contribution to the academic and scientific community by showcasing the effectiveness of open-source tools in solving practical problems in educational data analytics. |  |
| **Is the title of the article suitable?****(If not please suggest an alternative title)** | Yes, Title of the article is suilable as it clearly serves the purpose. |  |
| 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 ofthe manuscriptis **clear and informative. It** provides a **summary of the study.** |  |
| **Is the manuscript scientifically, correct? Please write here.**  | The manuscript appears to be **scientifically correct** in its approach, implementation, and explanations as it aims to automate the extraction and analysis of student result data from PDF files which is well-defined and aligns with current educational data analysis needs. |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.****-** | The manuscript includes 10 references, covering the topics like text extraction from PDFs, image processing, and educational data analysis. Many references are from 2020-2022, which is acceptable, but fewer are from 2023-2024. This limits the representation of the latest advances in automated data extraction and educational analytics. Thus, the author might provide more citations. Some additional references are suggested below:-1- Staneviciene, E., Gudoniene, D., Punys, V., & Kukstys, A. (2024). A case study on the data mining-based prediction of students’ performance for effective and sustainable e-learning. *Sustainability.*, *16*(23), 1-15.2- Lin, Y., Chen, H., Xia, W., Lin, F., Wang, Z., & Liu, Y. (2023). A comprehensive survey on deep learning techniques in educational data mining. *arXiv preprint arXiv:2309.04761*.3- Meuschke, N., Jagdale, A., Spinde, T., Mitrović, J., & Gipp, B. (2023, March). A benchmark of pdf information extraction tools using a multi-task and multi-domain evaluation framework for academic documents. In *International Conference on Information* (pp. 383-405). Cham: Springer Nature Switzerland. |  |
| Is the language/English quality of the article suitable for scholarly communications? | The language used in the manuscript is operationally appropriate for communication, but it need some minor editing for grammar polish, academic tone, and conciseness. Professional language editing prior to final submission would be beneficial. |  |
| Optional/General comments | The manuscript presents a timely and practically relevant contribution by developing a Python-based tool for automating the extraction and analysis of student academic results from PDF files. Further, the integration of widely used Python libraries is technically sound and demonstrates a clear understanding of modular software development.The manuscript is **well-conceived and technically sound,** requiring only **minor revisions** to improve academic language, strengthen citations, and enhance transparency on data. |  |

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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:**

**Pooja Aggarwal, BBD University, India**