Review Form 1.6

Journal Name:	**Asian Journal of Research in Computer Science**
Manuscript Number:	**Ms_AJRCOS_77421**
Title of the Manuscript:	**RELIABILITY AND EFFICIENCY OF COMPUTERIZED SYSTEMS FOR ADMISSION INTO COLLEGES OF EDUCATION AFFILIATED WITH THE UNIVERSITY OF CAPE COAST**
Type of the Article	**Original Research Article**

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty'**, provided the manuscript is scientifically robust and technically sound.
To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

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PART 1: Review Comments

	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)*
Compulsory REVISION comments	**Abstract** 1) Line 11, "as a results" does not seem to be a proper conjunction word in this context. 2) The abstract better include the significance of this research, why your study is different from other studies and what is its contribution. **Introduction** 3) First paragraph, "Organizations are faced with the problem of choosing a group of systems that function in harmony rather than selecting a particular design for defined and known needs to preserve efficiency in computerized selection systems and allow for scalability and flexibility of computer platforms (Zviran, Zviran & Aviv, 2016)." this paragraph does not seem to be relevant to the following paragraphs. 4) Line 35-37, the sentence "Even though the performance of high school graduates is typically beyond a college, as Yeh (2003) found that, the selection process admits students who succeed in their studies." is not clear. 5) It is not clear what is the problem of this research. You need to introduce the research problem, why you have thought to study the comprised admission system in the university of Ghana 6) Line **85 to 89** you start to integrate your research within the literature, however this does not seem to be enough. For example you mentioned: *"There have been several studies conducted on computerized selection system at educational institutions (Peterson et al., 2010; Chapman, Lehmann, Donohue, & Aucott, 2012)."* These are only two studies, you can tell the reader few notes regarding the studies were they were carried out and what did they focus on, what are the deficiencies in their studies. Add more studies and focus on more updated ones. Another example, your sentence: *"Few studies have been conducted using college of education."* Can you give us examples and a name of studies? Finally: *"Moreover, no studies has been done on the reliability and efficiency of using electronic sorting and selection system for admissions into colleges of education"* Here you can tell the reader how your study is different from previous studies and what are you going to add to the body of science. Additionally you have stated that no studies have been done before on the reliability and efficiency is that concerning Ghana ?? or you are taking about the entire world?? you have to be more precise. 7) Line 93 and line 99, usually we don't introduce Aim and research Question as a separate headings in research paper, this seems like thesis style. 8) Line 99, The research questions wording are not very clear, I cannot tell what is the purpose of the research and link it to the research question. **Literature Review** 9) The literature review section need few enhancement, it covers the research background and introduce the context of the study. However, I am interested to know more about what does efficiency and reliability of computerized admission system means. The definitions , the factors that determine the efficiency and reliability of such systems. is there any previous studies that approach this issues. What factors was found. What are the challenges in using computerized admission system …. collect other countries challenges The current literature need enhancement and is just not enough. **Methodology** 10) The methodology section need to be re-written, it should address the research approach, strategy, time horizon … see the Research onion model by Saunders. 11) It is not clear whether you have created your own questionnaire or you have adopt it from	

previous research.

12) population:

Lin 234-235, the sentence "Geographically, as said by Muianga, Hansson, & Barbutiu (2019), the study focused on computerised admissions at 46 colleges of education in Ghana"
It is not clear.

13) Line 236, "The researcher, Out of the 46 colleges of education in Ghana, sixteen (16) colleges of education affiliated with the University of Cape Coast was used for the study." This sentence does not seem to be clear

14) The description of the population is not clear, 46 college or the 16 college or the 255 employee ????

15) Sampling technique, you have stated (Line 255-Line 258) that you used Purposive sampling and I quote *"Purposive sampling was used to select all the sixteen (16) colleges of education affiliated with the University of Cape Coast. Because in purposive sampling, the cases to be used in the sample are handpicked based on their judgment of their typicality or particularly knowledgeable about the issues under study"*. However, in line 250 you have stated that "*The research design was appropriate because unbiased samples were selected from a population of admission officers…*"
How did you grantee unbiased sampling?? as it well known the downside to purposive sampling is that it is susceptible to to researcher bias, since researchers are making subjective or generalized assumptions when choosing participants for their survey.

16) what was the response rate of your survey?? the population were 255 and the sample 192. what was you actual sample size?? response rate? how many questionnaire were distributed ???

17) The research instrument….

First: include the instrument in the appendix, I need the questionnaire questions in order to be able to assess the instrument.

Second: Is it adopted form any previous researches?? if yes add citation in addition to some reliability values (cronbach alpha).

Third: If the questionnaire was developed by the research, describe the process, did you depend on literature review or what to do this??

Fourth: no validity and reliability process was described, face validity?? content validity?? even in the statistical analysis section no validity or reliability tests were mentioned.
In my own opinion, no study can be accepted if the research instrument is not validated.

18) Line 279, "*Section "A" consisted of the background of respondents*" what were your demographics questions.

19) Line 284, "*The questionnaire for the study was taken online because the researcher coded it in Google forms. "* not clear

Data Analysis:

20) Line 300, I think you mean Table (2).

21) you should have reported the item wording….. the coding does not pay me any favor.

22) The skewness and Kurtosis values are far beyond limits. Your data are not normal. This can be an indication of a bias. Refer to a statistical reference and report the thresholds value. I guess for skewness and Kurtosis it should be -3 to +3 in it relaxed limits however other researchers uses -1 to +1. see a good reference and write interpretation for the results.

23) Your interpretation for the mean values in Table (1 and 2) does not add any value.

24) In table (2), item (RSAPC6) is missing

25) Line 364-367, '*The kurtosis of items RSAPC6 is less than 0, which means that it has fewer outliers relative to normal distribution. Items RSAPC1, RSAPC2, RSAPC3, RSAPC4, and RSAPC5 is greater than 0, and less than 15, which means that it has relatively few outliers and scores are more clustered around the mean.*"

I need a reference for this paragraph….

26) how did you created a summated variables to test person correlations???

27) Line 379, "*This explained a 45.6% variation of efficiency of electronic sorting and selection of admission applications in the reliability of the computerized system for admission*"

	This sentence need revision, go back to a good reference and explain what 45.6% mean and cite your explanation 28) I need demographics information…… age, gender, departments ….. 29) The discussion is weak, it need to be strengthen. Currently it only discuss the meaning of the questionnaire item means. Since we don't have any clue about the questionnaire items, I cannot decide whether your discussion is valid or not. and I cannot see how you have answered the research questions?? In your discussion that is based on your statistical analysis you should answer your research questions and show the readers that you have accomplished your research aim. Unfortunately, in your research current form I cannot tell if your aim have been achieved. 30) add practical and theoretical implications , add limitations (you have a bunch). 31) Regarding references,,,,, make sure that any reference mentioned in the references is used in the text. 32) Recommendations need to be rewritten. for example, *"recommend that the Ministry of Education and Ghana education service should consider the challenges and help provide a more convenient, reliable, and efficient computerised selection system for the admission process at the college of education"* I don't remember that you have address any challenges earlier.	
Minor REVISION comments		
Optional/General comments	Need to be proof read	

	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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