Review of: "Artificial Intelligence and Digital Technologies in the Future Education"

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This is an interesting overview of some of the concepts of Artificial Intelligence and digital technologies in education.

My main overall concern is that, while the paper gives a good overview of AI and the learning theories, there appears to be a self-evident jump between the discussion of robots to e-earning, with the sentence "From all those discussed in this Section becomes evident that the importance of distance learning usually referred as e -learning, will be increased significantly in future education" My response is: "No, it's not at all evident from the previous discussion, particularly as the previous discussion makes no mention of distance learning or e-learning. There really is something missing in that jump to bring the long overview together to form the rest of the argument. I suspect that the problem is that the author is so deeply immersed in the field, that something that may appear very obvious to the author is not really that obvious to the reader. So, I suggest the creation of a short paragraph that ties the overview together at that point, and leads in to the next paragraph.

This may then also require a little more detail in the Discussion.

Some other issues:

- There are quite a few typos and small errors – not enough to interfere with meaning, but enough to be an irritation.
- Figure 1 does not really add much to the paper. A simple list of the subject domains would have been far easier to read.
- "The introduction of the techniques ….educational processes." This sentence is the author's opinion, and cannot stand by itself without citations, especially as many readers may disagree. I would recommend that the author either lower the forcefulness of the argument, or remove the sentence, or support it with citations to show that this opinion is grounded in the literature.
- Section 3 of the paper appears to be very detailed; I suspect that many educators would find their eyes glazing over as they read through the technicalities. Perhaps the author may wish to shorten this a little. (That, however, may be my personal opinion only, so, if the author feels strongly about retaining that level of detail, that is fine with me).
- "resulted in the social constructivism, which is currently the most popular among the traditional learning theories." Although I also like social constructivism, the author is taking too much of a risk when they state that it is "the most popular among the traditional learning theories." This will need to be toned down a little, and could benefit from a citation in support.

- It would be useful if references could be provided for the sentences dealing with the social robots, Tico and Bandit.

- Finally, the author appears to have cited some 13 of their own publications (out of a total of about 60 references – meaning that some 20% of the references are their own publications.) While it is always good to build on one's research, the author has put themselves in line to be accused of excessive self-citation. I would strongly recommend that they reduce several of the self-references.

An interesting read – I look forward to a revised version.