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

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Potential competing interests: No potential competing interests to declare.

I thought that this was a good write up on the AI implication learning and teaching.
Being personally in the AI field and Computer Science, I could see the article offers
a good history as how teaching and learning has evolved from instructional structure to Modern AI based Tools.

Although the paper did touch upon on the AI and tools used today in the learning setup,
it would be nice to see some examples and the output of those AI tools in a classroom setup. For example, schools which are using ML based instructional setup and what was the outcome, did the students learn more, less, efficient? interaction quotient? and others along the line. From my experience, as a researcher and mentor in my company, I see that, with AI, interaction drops as there is more automation, as there are less coordination, a bit of alienation amongst colleagues and a sense of fear of job loss. I guess this can be extrapolated to the classroom.

The paper talks about the computers in teaching, soft computing, the advent of soft computing, and then leads to benefits of e-learning, under this benefits section, the papers talks 2/3 paragraphs of general benefits of AI, and quickly concludes. I find the paper, did not do justice to the topic "Artificial Intelligence and Digital Technologies in the Future Education"!

When the topic is about Artificial Intelligence, the paper must focus on only Artificial Intelligence and connect it directly to learning and teaching. Although the paper talks about e-learning, this is one example. What is the impact on the students and on teachers?
Did the teacher improve their teaching efforts? what are their new challenges? Was it frustrating to talk a AI robot? Did it answer all the questions a student would pose to it? Was it monotonous? Was it frustrating to students to indulge a AI robot. Is a hybrid of human and AI the future of education. What would be its challenges? Should the teachers evolve with this Hybrid Model? What is its impact on the financial side? Should the Govt
pour more money into this system? This is the direction I would have love to see. Without any research, practical experiment, the paper is like a write up of history, which by itself is not enough, a research paper must give or show results on a experiment and show the findings and talk about those results. Evaluation then becomes a problem of inferring 'what would it be if AI is used across in North America?'. This entails the selection of a particular plan following its evaluation in terms of the things that AI model brings to the table.

Then there are some things I saw in the paper that would need correction.
1: There are double quotes for phrases, eg. "belief as processes", should be corrected to 'belief as processes'. You only

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use double quotes to quote someone saying,

eg: President Biden said, "War is not a good outcome".

2: The pictures are taken from a source, in the Figure label, refer that paper.

To conclude, the paper is written well, however, the topic is too general when an experimental set up is missing, results are missing, and a hypothesis that is

driving to research is missing, For now the paper is not ready to be in a state to be accepted. Although, the paper has the capacity in the future to be published, when remedial actions along the lines mentioned above are taken.