

PEDAGOGY: IN THE VIEW OF VIRTUAL EYES

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Abstract

The biggest drawback of online learning is the absence of connection between students and professors, and a significant percentage of learners don't seem interested in taking an active role in their academics. Comparing the online mode of education to offline modes of instruction, the degree of conceptual comprehension decreased due to a lack of engagement between learners and mentors. Here, we can see how virtual reality, augmented reality, mixed reality, and other innovative technologies can be utilized to engage learners actively in online learning while also highlighting the challenges associated with their deployment. It allows us to instruct the pupils both theoretically and practically. Besides transformed social interaction which targets human-human interaction in immersive environments, other technology tries to incorporate autonomously acting entities in immersive settings that are based on artificial intelligence. These so-called pedagogical agents autonomously interact with and support the learner as tutors or peers.

Keywords: Virtual reality, augmented reality, mixed reality, artificial intelligence, interaction, pedagogical agents

INTRODUCTION:

There have been many adjustments made in the educational field as a result of the pandemic crisis that we have been experiencing over the past four years. Students maintained their studies online during the epidemic times. It is a boon for disciplined students as there is no waste of time in travel and they can use that time more effectively for acquiring knowledge in their desired field or to take up passion. They can see the recorded tutorials taken by their respective faculties whenever they want. It is a different experience for the students as these things have not been done before this pandemic. The levels of learning, which include remembering, applying, analyzing, evaluating, and creating, to pursue a high level of understanding students need to master those concepts, and at least once he/she needs to apply those concepts in real life. Thus, a learner cannot clearly apply the principles after only studying them in theory.



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