

HOW TO MEASURE AUTHENTICITY OF LEARNING OUTCOMES IN AI - POWERED EDUCATION

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The impact of artificial intelligence (AI) on our lives and work is undeniable, and the field of education is no exception. AI-based learning is revolutionizing the learning process, teaching techniques, and institutional management. However, with the growing use of AI in education, concerns about the authenticity of learning are arising. Lynch (2021) described authentic learning as a teaching approach that empowers learners to investigate, converse, and construct ideas and concepts within a framework of "real-world" problems and challenges that are pertinent to the learner.

While AI-based learning has the potential to provide customized learning experiences for students, it may also compromise authenticity. Personalization may cause students to exclusively interact with familiar and comfortable material, rather than discovering new and challenging concepts.

Furthermore, AI algorithms are susceptible to bias, potentially generating results that are unjust or erroneous. Consequently, students may be evaluated based on criteria beyond their influence, such as their socioeconomic status, race, or gender.

Another obstacle is the possibility of excessive reliance on AI-based learning, which could result in students becoming reliant on technology and reducing their capacity for critical thinking and problem-solving. This dependence may cause students to limit themselves to familiar material rather than seeking out new and demanding ideas.

To safeguard the authenticity of assessments, educators can prioritize designing assignments that are pertinent to students' experiences and applicable in real-world

situations. For instance, requesting students to use the concepts they have learned to solve real-life issues or scenarios can assist students in comprehending the significance and usefulness of what they are studying.

Also, achieving authentic learning necessitates creativity and critical thinking. Educators can create tasks that motivate students to engage deeply and critically with a topic. For example, requiring students to develop their own research queries, create their own experiments, or develop their own projects can enhance students' engagement with material in a more genuine and significant manner.

In addition, AI-powered learning can provide a wealth of data on student performance, but it is important to use multiple assessment methods to ensure authenticity. Educators can use a combination of formative and summative assessments, including self-assessments, peer assessments, and project-based assessments, to gain a more complete picture of student learning.

Moreover, authentic learning involves student input and feedback. Educators can also incorporate student feedback into the assessment process by asking for input on assessments, providing opportunities for reflection and self-assessment, and using student feedback to inform future instruction.

Furthermore, authentic learning is focused on learning outcomes, rather than just grades. Educators can design assessments that focus on student learning and growth, rather than just measuring how well they have memorized information. It is essential to note that AI-powered learning has the potential to transform education, but it is also important to ensure that it does not come at the expense of authenticity.

References:

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