

On the Cutting edge of Tech

Artificial Intelligence and Adaptive Learning:
The future of personalized learning

“Teach your scholar to observe the phenomena of nature; you will soon rouse his curiosity, but if you would have it grow, do not be in too great a hurry to satisfy this curiosity. Put the problems before him and let him solve them himself. Let him know nothing because you have told him, but because he has learnt it for himself...” Jean-Jacques Rousseau

“Everybody’s a genius. But, if you judge a fish by its ability to climb a tree, it will live its whole life believing that it is stupid” Albert Einstein



What is AI?

Artificial intelligence is the ability of a machine to think, learn and perform tasks normally requiring human intelligence, such as visual perception, speech recognition and decision-making skills.



Adaptive Learning Is The Future Of Education

For schools and colleges to implement this style of learning across the curriculum and every course, it would require an educational paradigm shift that is unprecedented. In the history of education, this has never been tried, except perhaps outside a handful of specialist private schools and colleges.

Because every student learns in different ways, even when these are classified into broad groups (e.g. visual, spatial, logical, social, etc.) students are going to have different learning outcomes. Not everyone is going to absorb the knowledge a teacher is trying to provide in the same way, so some students are going to understand it whereas others will struggle.



Combining adaptive learning with [predictive analytics](#) holds great potential for improving the way students learn

AI-based learning systems can collect and process huge amounts of data from students' learning activities, such as:

- the amount of time spent on completing each task,
- response latency
- assessment results

The data can be used to detect patterns and build predictive models that help identify individual student needs and sharpen the content delivered to every learner.



When talking about adaptive learning technology there are some key ideas to keep in mind:

- The quality of educational content being used
- The ability of the AI based platform to identify, assess and adjust to student's progress
- Tracking progress, measuring performance and leveling up based on results



Thoughts

Can you think of ways to integrate into your practice?

Barriers to success?



<https://www.forbes.com/sites/insights-ibmai/2020/03/26/how-ai-can-realize-the-promise-of-adaptive-education/#6dc90de912b3>

<https://www.day1tech.com/how-ai-and-adaptive-learning-is-shaping-the-classrooms-of-future/>

<https://elearningindustry.com/adaptive-learning-for-schools-colleges>

<https://www.hindustantimes.com/education/artificial-intelligence-in-schools-how-ai-powered-adaptive-learning-technology-can-help-students/story-FkCQmha69e1Ne4CcXqFnWO.html>