

# The Assessment Technology Landscape: An Update

(Presentation/Discussion)

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AMCOA MEETING

QUINSIGAMOND COMMUNITY COLLEGE

November 15th, 2019

# Academic Assessment in the 21<sup>st</sup> Century

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Old Model



New Model





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# **MIT's Director of Assessment Services (Circa 2030)**

When last we met.....



The Challenges of Introducing Change to Higher Education

# Recent Announcement

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"EDUCAUSE has been working closely with the expert panel to prepare the 2020 Horizon Report. We have recently concluded the voting for the six most important emerging technologies and practices for teaching and learning in higher ed."

**Malcolm Brown**  
Director of Learning Initiatives  
EDUCAUSE

# Six Emerging Technologies /Practices selected by the [Horizon Report] expert panel for 2020

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- AI/Machine Learning Educational Applications
- Open Educational Resources
- Adaptive Learning Technologies
- Analytics for Student Success
- XR (AR/VR/MR/Haptic)
- Elevation of instructional design, learning engineering, and UX design in pedagogy

# AI/Machine Learning Educational Applications

## CHAT-BOTS



**Question:** How many of you talk to machines on a regular basis?

# AI/Machine Learning Educational Applications



STANDARD OF PROOF WEBINAR

*Featuring vendors who help us become smarter*

## **Overcoming Barriers to Enrollment: Can AI Increase Student Success?**

Date: November 18th, 2019

2pm ET

# Open Educational Resources

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The screenshot shows the OER Commons interface. At the top, the logo 'OER COMMONS' is displayed with the tagline 'OPEN EDUCATIONAL RESOURCES'. Navigation links include 'Discover', 'Hubs', 'Groups', and 'Our Services'. Below the navigation, the status of the resource is 'Pending' with a 'Retract' button. The main content area features a preview of a resource from Middlesex Community College titled 'Promoting a Culture of Inclusion "Toolkit"'. To the right of the preview, the title 'Diversity, Equity, and Inclusion Toolkit' is shown with a 5-star rating and '(1)' review count. Below the rating are four action buttons: 'View Resource' (green), 'Save' (green with a dropdown arrow), 'Edit' (grey with a pencil icon), and 'Delete' (grey with a trash icon). At the bottom left of the preview, there are icons for views (0), downloads (1), and comments (0).

**Question:** How can OER relate to our work around both assessment and equity?

# Adaptive Learning Technologies

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**Question:** How do you see adaptive learning emerging on your campuses?

Carnegie Mellon University

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**Open Learning Initiative**

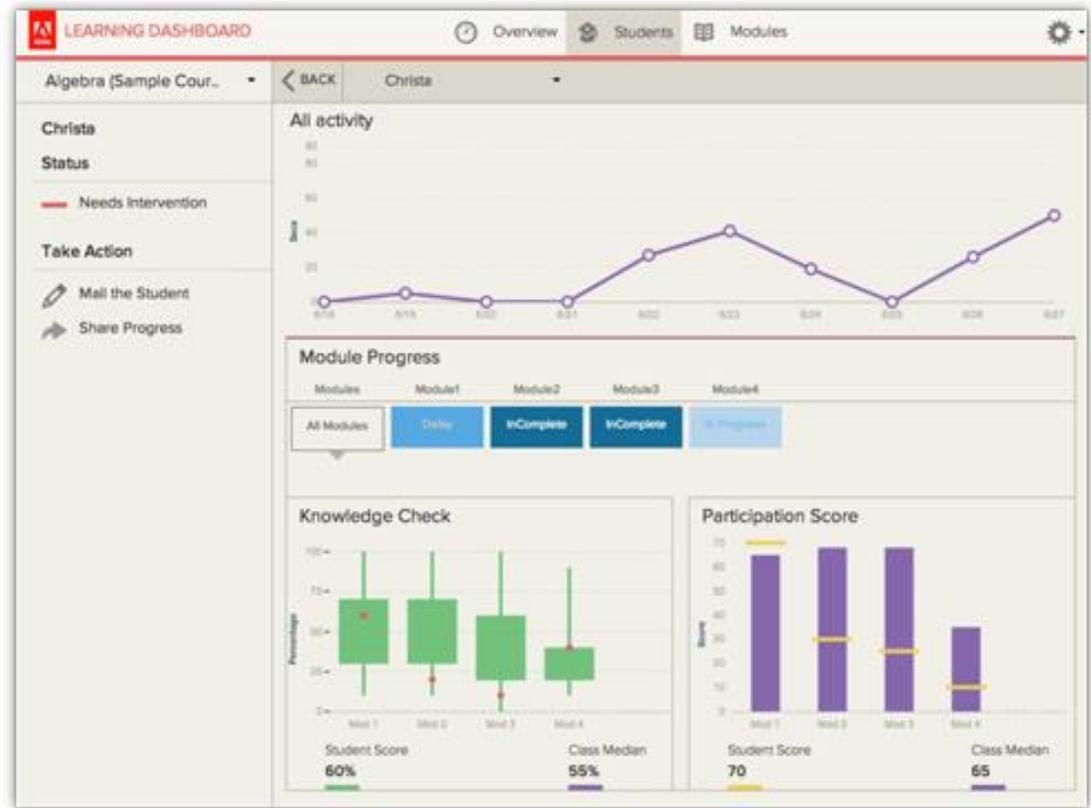
Transforming higher education through the science of learning.

Courses



# Analytics for Student Success

**Question:** What is the connection between analytics and assessment?



# XR (AR/VR/MR/Haptic)

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**Question:** Anyone using this in manufacturing/healthcare education? If so, how?



# Elevation of instructional design, learning engineering, and UX design in pedagogy

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"learning engineering can be framed as the application of engineering design methodologies in developing learning technologies and infrastructures. **Learning engineers have the skills needed to integrate engineering and systems thinking with learning science in support of better learning technologies and, ultimately, improved learning outcomes.**"

(2018). 7 Things You Should Know About Learning Engineering. Educause Review.

**Question:** How has the conversation around learning design changed at your college in the past five years?



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**Questions??**