Emerging Technologies & Practices and Influential Trends, 2020

The *2020 EDUCAUSE Horizon Report* identifies six emerging technologies & practices being shaped by influential social, technological, economic, higher education, and political trends. Numerous exemplar projects are leveraging these emerging technologies & practices in the higher education community.

Technological Trends
- Artificial Intelligence
- Next-Generation Digital Learning Environment
- Analytics and Privacy Questions

Political Trends
- Decrease in Higher Education Funding
- Value of Higher Education
- Political Polarization

Economic Trends
- Cost of Higher Education
- Future of Work and Skills
- Climate Change

Higher Education Trends
- Changes in Student Population
- Alternative Pathways to Education
- Online Education

Social Trends
- Well-Being and Mental Health
- Demographic Changes
- Equity and Fair Practices

EMERGING TECHNOLOGIES & PRACTICES

Elevation of Instructional Design

EXEMPLAR
Centre for Extended Learning
(University of Waterloo)

EXEMPLAR
Digital Learning and Inquiry
(Middlebury College)

EXEMPLAR
OpenSimon Toolkit
(Carnegie Mellon University)

EXEMPLAR
Center for the Analytics of Learning and Teaching
(Colorado State University)

Analytics for Student Success

EXEMPLAR
Berkeley Online Advising
(University of California, Berkeley)

EXEMPLAR
COMPASS
(University of California, Irvine)

EXEMPLAR
Siyaphumelela
(Kresge Foundation, South Africa)

EXEMPLAR
Combining Machine and Human Intelligences for Intervention
(University of Maryland, Baltimore County)

Adaptive Learning Technologies

EXEMPLAR
Alchemy Project: Personalized, Flexible, and Scalable Active Learning
(University of British Columbia)

EXEMPLAR
Adaptive Learning in Teacher Education
(University of Wisconsin–Whitewater)

EXEMPLAR
Professional Literacy Suite
(Deakin University)

EXEMPLAR
Adaptive Learning in Elementary Spanish Language Courses
(University of Central Florida)

Extended Reality, or XR (AR/VR/MR/Haptic)

EXEMPLAR
VR Academy
(Auburn University)

EXEMPLAR
Centers for XR Exploration
(Grinnell College, University of Georgia, Boise State University, Dartmouth College)

EXEMPLAR
Crime Scene Investigations (CSI) Virtual Reality Project
(St. Edward's University)

EXEMPLAR
VR App *Time to Act—Emergency Care* and AR App *AugMedicine—Transplant Cases*
(Leiden University)

Artificial Intelligence and Machine Learning

EXEMPLAR
Bizzy, the AI Chatbot
(University of Oklahoma)

EXEMPLAR
Responsible Operations: Data Science, Machine Learning, and AI in Libraries
(OCLC Research)

EXEMPLAR
AI Chatbot Pilot Project
(Griffith University)

EXEMPLAR
Enhancing Customer Support with AI: Building a Canvas Support Chatbot In-House
(Northwestern University)

Open Educational Resources (OER)

EXEMPLAR
Mason OER Metafinder
(George Mason University)

EXEMPLAR
Digital Accessibility Teaching and Learning Resources
(Ryerson University)

EXEMPLAR
Open Pedagogy Incubator
(North Carolina State University)

EXEMPLAR
Ecotechnological Didactic Toys Lab
(Alquimétricos)

To learn more about the *2020 EDUCAUSE Horizon Report*, visit **educause.edu/horizon-report-2020**.

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