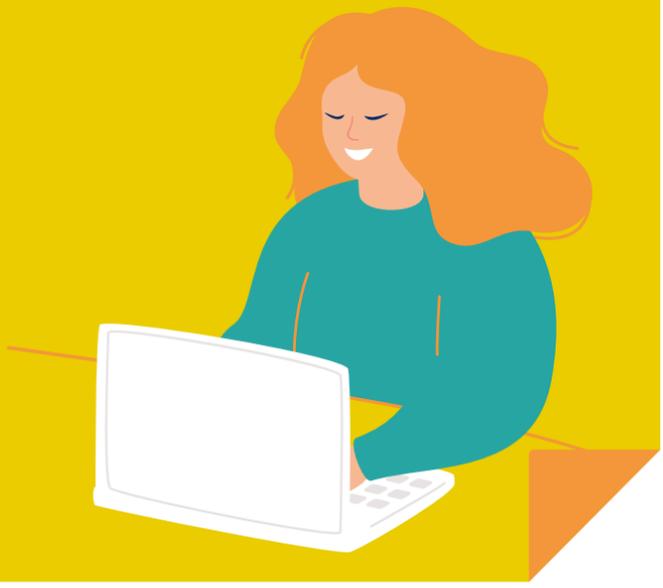


e-learn

Digital Transformation in Education

By: Liliana Camacho



While many academic institutions globally had digital transformation as part of their agenda, COVID-19 accelerated the change to digitization at an unprecedented rate.

Globally, developed countries had been more advanced in the adoption of digital tools prior to the pandemic, but gaps in digitization have become evident across education institutions large and small, with no signs of reverting after the pandemic.

Exploring digital transformation in education by the numbers will help uncover the upcoming trends for years to come.

9 Ways Education Is Digitally Transforming



1

The onset of COVID-19 accelerated eLearning worldwide, with over 1.6 billion learners in 190 countries and impacting 94% of the student population due to school or learning space closures and with an immediate need for virtual education options¹.



2

22% of institutions surveyed in a study pivoted to remote study in the first half of March 2020, and 72% did so by the second half of the same month².



3

With the abrupt change in education during 2020, online proctoring increased significantly with 54% of institutions using online or remote proctoring services that year, and 23% considering or planning to use them³.



4

Massive Open Online Course (MOOCs) have experienced an astonishing increase in traffic and number of users. According to a poll, at their peak in April 2020, MOOC platforms received 3x the February 2020 traffic.



5

The top three MOOC providers experienced an increase of 25-30% in registered users compared to 2018 and 2019, years that had remained steady in the number of registrations until 2020 and the start of the pandemic⁴.



6

The LMS has been the most widely used tool to enable academic institutions to quickly pivot to online learning, with 69% of institutions stating the LMS was used in all remote classes. Video conferencing solutions came in second, with a 29% adoption rate⁵.



7

The EdTech industry as a whole has experienced a 16.5% growth rate and expenditure is set to reach \$404 billion by 2025, representing 2.5x the growth between 2019-2025⁶.



8

VR and AR technology found a practical space in classrooms in 2020, offering personalized experiences to students and projected to grow 16.7% by 2023⁷.



9

There's a growing importance of mobile devices in online learning, with mobile learning forecast to increase by 20% between 2020-2027⁸.

¹ United Nations (Aug 2020). 'Policy Brief: Education during COVID-19 and beyond'. [Available online.](#)

² Garrett, R., Legon, R., et al. (Jul 2020). 'CHLOE 5: The Pivot to Remote Teaching in Spring 2020 and Its Impact, The Changing Landscape of Online Education'. Quality Matters. [Available online.](#)

³ Grajek, S. (Apr 2020). 'EDUCAUSE COVID-19 QuickPoll Results: Grading and Proctoring'. Educause Review. [Available online.](#)

⁴ Shah, D. (Apr 2020). 'By the Numbers: MOOCs During the Pandemic'. The Report by Class Central. [Available online.](#)

⁵ Garrett, R., Legon, R., et al. (Jul 2020). 'CHLOE 5: The Pivot to Remote Teaching in Spring 2020 and Its Impact, The Changing Landscape of Online Education'. Quality Matters. [Available online.](#)

⁶ Holon IQ (Aug 2020). 'Global EdTech Market to reach \$404B by 2025 - 16.3% CAGR'. [Available online.](#)

⁷ MarketsandMarkets (Mar 2019). 'Augmented and Virtual Reality in Education Market'. [Available online.](#)

⁸ Global Industry Analysts, Inc. (Jul 2020). 'Mobile Learning - Global Market Trajectory & Analytics'. [Available online.](#)