

Smarter
technology
for all

Lenovo

Students and educators in Asia Pacific are beginning to crack the code for online learning

Lenovo

 Microsoft

New education study conducted by YouGov and Terapinn, commissioned by Lenovo and Microsoft, shows enormous opportunities in e-learning, but limited adoption of a full range of solutions. Challenges such as distraction and social isolation still hamper the effectiveness of online education.

The use of technology in education increased significantly during the past year.

A majority of students and educators increased their use of technology and also spent more money on technology than they had in the previous year. This trend is expected to continue, with students and educators further increasing their spending on learning technology in the coming year.



81%
of students



95%
of educators

Increased their use of technology during the past year



66%
of students



86%
of educators

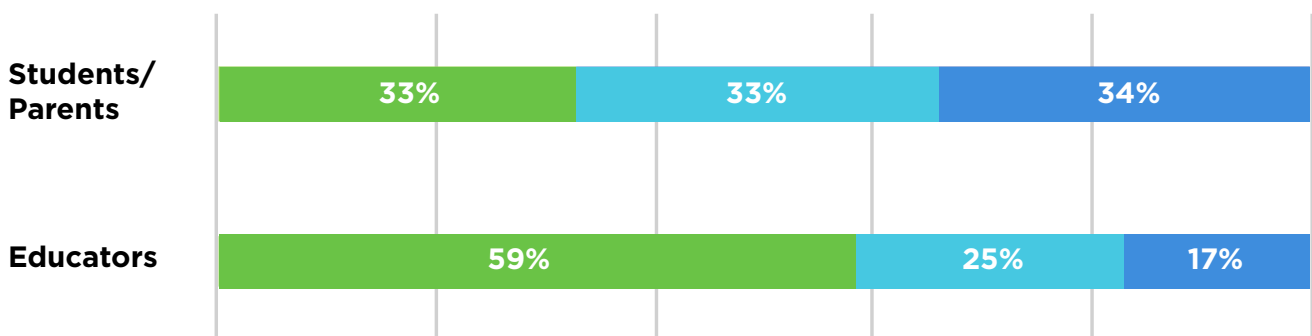
Expect to increase further their spending on learning technology in the coming year



But educators and students had differing opinions on the impact of online classes on educational performance.

While a majority of educators were confident that their teaching performance had improved, students' assessment was mixed. Around a third of students believed their performance had improved, another third believed it had stayed the same during the period of online learning, and the remaining third believed their learning performance had declined.

■ better than 12 months ago ■ same as 12 months ago ■ worse than 12 months ago



Both students and educators see eliminating the need to commute as a key advantage of online learning.

Among students, accessibility and flexibility were major advantages of online learning, including the ability to access a broad variety of content and materials from all over the world. Educators identified the centralizing of teaching materials in one easily accessible online resource as an advantage of e-learning.

- **Accessibility**
- **Flexibility**
- **Convenience**

Students

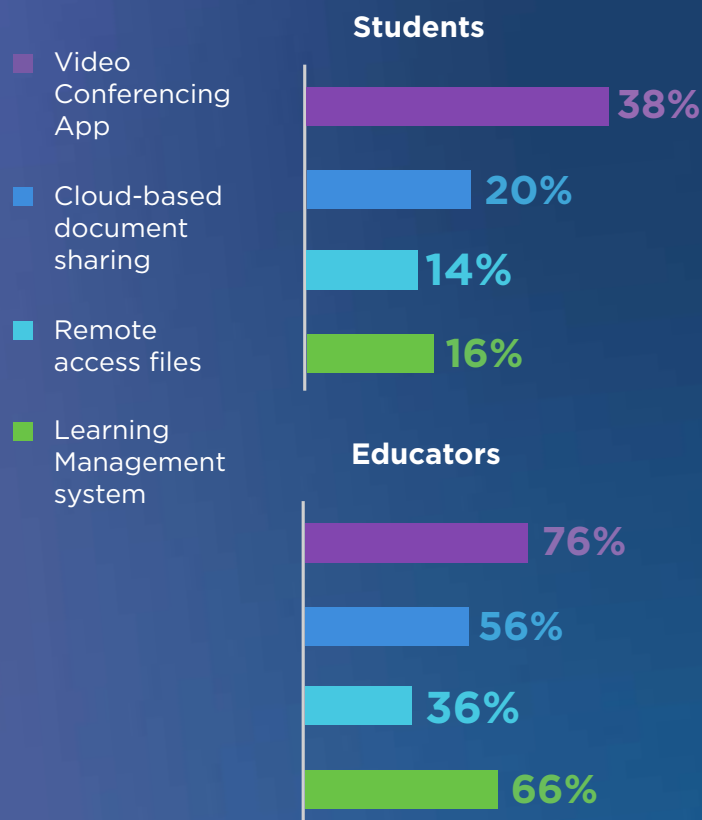


Educators



While students and educators know what they want – they are only beginning to leverage existing solutions.

Most students and educators use a laptop or tablet for learning and teaching, but few have explored the full suite of learning solutions, with a much smaller proportion of students using video conference apps such as Microsoft Teams, cloud-based document sharing, and remote access files. Even fewer students had access to an online learning management system. On the other hand, educators had more access to learning solutions, but only 34% had explored using a virtual reality platform in classes.



Students and educators are less inclined to seek professional support when coping with technical difficulties.

Instead of going to school technical support staff for help, students were more likely to ask a classmate, friend, or younger household member for help when encountering technical support issues at home. A higher proportion of educators addressed their concerns to the school tech support team, but many still opted to look for an answer themselves or asked another teacher for help.



Students were more likely (**33%**) to ask a classmate, friend, parents or household member



47% of educators addressed their concerns to the school tech support team



29% of students & **32%** of educators looked for an answer themselves



31% of educators asked another teacher

Distraction, engagement and isolation remain barriers to online learning.

Students and parents listed distractions at home, less motivation to attend online classes at home, lack of immediate feedback and interaction with teachers/classmates, and social isolation or difficulty in meeting people as challenges of online learning. While video conferencing applications provide many avenues for real-time interaction, attending all their classes through a screen proved to be challenging for students. A large majority of educators listed “students get distracted or lose concentration during live sessions” as one of the major barriers to e-learning.

New subscription models, smarter collaboration and devices can unlock potential of online learning.

While there can be enormous benefits from education technologies, student and educators have yet to fully embrace its potential. They are looking for collaborative, personalized learning - and technology can help to create opportunities for online engagement while providing convenience and reliability.

Other challenges for students:

54% distractions at home

48% less motivation to attend online classes at home

46% lack of immediate feedback and interaction with teachers/classmates

41% social isolation or difficulty in meeting people



75% of educators listed “students get distracted or lose concentration during live sessions” as one of the major barriers to e-learning





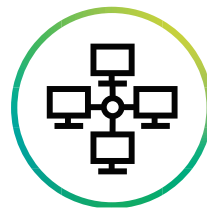
Lenovo's services portfolio supports ongoing learning by bringing end-to-end solutions to schools and universities.



Lenovo Managed Services equip all devices with cybersecurity software and secure collaboration tools that ensure data protection and student safety.



Lenovo Device as a Service (DaaS) ensures comprehensive technical management, helpdesk, and support for students and educators on- and off-campus.



Lenovo Hybrid Classroom solutions create more dynamic learning environments with all-in-one smart collaboration systems like the **ThinkSmart Hub**, making it easy for students and educators to connect, share, and learn remotely.



VR devices and solutions such as **ThinkReality** and **Lenovo VR Classroom 2** allow educators to engage further and inspire students through virtual reality lessons that enhance students' understanding of subject matter.

About the study

Jointly commissioned by Lenovo and Microsoft, this study was conducted by YouGov and Terapinn in May 2021 across 12 markets in Asia Pacific with nearly 3,400 respondents (students, parents, and educators). It aimed to understand trends in e-learning since the global pandemic began and how technology can continue to support and engage students in their learning.