



Empowering Education

Anywhere, Anytime with AWS



Rethinking education

in an age of digitalization and disruption

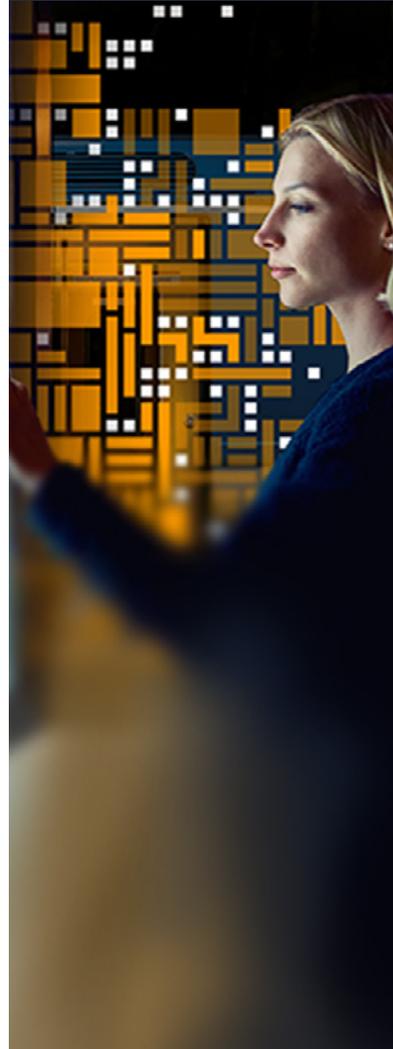
The world is changing rapidly, driven by globalization and technological developments. Today's learners face an increasingly uncertain future that will demand new skills and knowledge. We need to reimagine our paradigm of the education lifecycle—from the very first days we spend in school to the ongoing learning opportunities to help us stay relevant in our careers.

One of the biggest challenges with traditional one-size-fits-all pedagogic models is that they focus on the educator and require all learners in the same cohort to learn in fixed ways at the same speed. However, we know today that education works best when it's student-centric: paced to each individual's learning ability and tailored to different circumstances.

Another challenge is the traditional education system. It is designed with fixed assumptions about the future roles it is preparing students for, but rapid digitalization is increasingly disrupting these roles. So, education needs to shift towards

harnessing the full potential of each learner to help them unlock their capacities for creativity, responsibility, and curiosity throughout their lives.

Finally, the COVID-19 pandemic has illustrated the vulnerabilities of our current education delivery systems. Lockdowns, physical distancing, and restricted movements across borders disrupted schools, colleges, and universities everywhere. Yet, the pandemic signals an opportunity. As forward-thinking educational institutions reimagine their delivery models, they are helping to forge new ways forward.



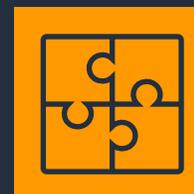
Technology can help overcome these challenges and enable educators and learners alike to achieve their desired outcomes. In our conversations with leaders and visionaries in education, we have observed three major trends:



Education institutions are accelerating their digital transformation initiatives and are adopting hybrid strategies to make them disruption-proof.



There's a rapid proliferation of new platforms, applications, and content, each adapted to address different learning opportunities, requirements, and outcomes.



More education institutions are breaking out of old silos and seeking to collaborate with a broad ecosystem of stakeholders, including content, delivery, and technology partners, to help them move forward.



The educational technology (EdTech) sector is rising to the challenge. This eBook is a distillation of the 18 conversations we've shared with educators and EdTech providers in our AWS Education Anywhere, Anytime Webinar Series. Continue reading to learn how education institutions are turning the tide by leveraging technology to accelerate and modernize their approach to teaching and learning.

How the **education industry** is transforming itself with the cloud

The roadmap to success is different for every educational institution. However, when we spoke to educators about their challenges and needs in driving education forward, we found a common thread: the prevalent use of technology and the Amazon Web Services (AWS) Cloud to achieve their aspirations.

In our **AWS Education Anywhere, Anytime Webinar Series**, we asked educators and EdTech providers to share their perspectives on how education is changing in their respective areas, the new ideas they are bringing to the table to meet these changes, and the crucial role that technology and the cloud will play.

Each perspective offers valuable insight into what's possible in education when visionaries apply innovative thinking and technology to solve some of the industry's most pressing challenges. Together, these stories offer a blend of first-hand perspectives from educators and EdTech providers in their transformation journey. You will find them reflected in different sections, each engaging a key priority your institution may need to address.

Glossary

You may encounter these acronyms in the eBook. Here's a list to guide you.

AI:
Artificial intelligence

AR:
Augmented reality

EdTech:
Education technology

LMS:
Learning management system

ML:
Machine learning

MOOCs:
Massive open online courses

STEM:
Science, technology, engineering and mathematics

VOD:
Video on demand

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Remote learning

- Get live online learning up and running in days
- How online classrooms are rising above lockdowns
- Providing disruption-free learning through mixed learning environments
- Science academia marches on with virtual lab-based and team-based learning
- Building a one-stop platform that brings everyone together
- The growing power of LMS for education institutions and beyond

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- The future of examinations, redefined today
- Delivering authentic and consistent online assessments

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Getting **live online learning** up and running in days

Schools around the world are rapidly adopting remote learning to provide students with continued access to education. **Birla Institute of Technology and Science Pilani** (BITS) wanted to ensure that its remote learning stays engaging. So, it approached EdTech provider **Impartus** for help to set up an infrastructure that supports live lectures and VOD classes to cater to its 34,000 students. BITS's learning platform went online within two days.

Having to quickly build a digital resource library challenged BITS initially. But by focusing on creating live content first, the institute was able to meet the immediate needs of its students as it developed VOD content concurrently in its studios as a complementary resource. The blended approach of using live and VOD content appealed to students in India, where a mix of live instructor-led lessons and on-demand self-paced learning is often preferred.



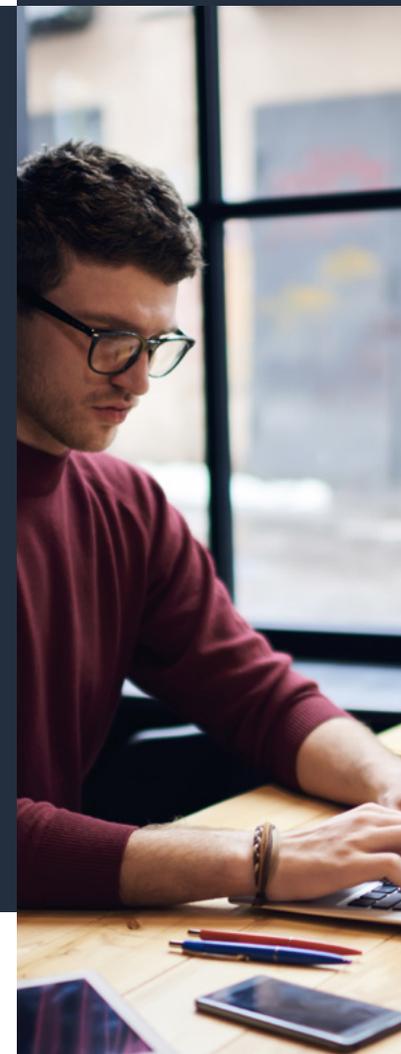
Learn how AWS:

- Supports Impartus with video encryption technologies to keep the university's content exclusive
- Provides Impartus with the scalability to conduct live, interactive online classes for up to 1,000 students in each session



Featured speakers:

- **Prof. PB Venkataraman**, Associate Professor, Work Integrated Learning Programs, and Associate Dean, Digital Learning, BITS Pilani
- **Amit Mahensaria**, Co-founder and Chief Executive Officer, Impartus





Learn how Education Perfect:

- Helps schools to plan and run lessons and track students' engagement in real-time
- Uses advanced algorithms, text-to-speech technology, and AI to improve learning through a library of lessons and assessments across multiple subject areas



Featured speakers:

- **Michael Manktelow**, Lower Secondary Teacher and G 100 Coordinator, YCIS Beijing
- **Sharee Hebert**, Secondary Mathematics and Accreditation Coordinator, YCIS Beijing
- **Alex Burke**, Chief Executive Officer, Education Perfect
- **Helen Prior**, Teacher Consultant, Education Perfect

How online classrooms are **rising above lockdowns**

The move to distance learning presented schools with new challenges. For **Yew Chung International School of Beijing** (YCIS), they needed to keep teachers and students from around the world connected to teaching and learning materials despite COVID-19 disruptions.

YCIS has 800 students from 2 to 18 years old, so the solution has to cater to a wide range of users. Working with EdTech provider **Education Perfect**, the school was able to quickly take its classroom online. Its teachers have benefitted from Education Perfect's huge lesson banks without needing to build teaching resources from scratch. The solution's auto-marking feature also saves valuable time, which teachers can use for class discussions and activities.

Providing **disruption-free learning** through mixed learning environments

When change occurs, early preparation is key to ensuring a disruption-free experience for both students and teachers alike while enabling a smooth transition from traditional systems to a more flexible, blended approach to education.

With EdTech provider **Next Education**, **Sheoran International School** achieved such a transition. Because they established an LMS earlier, the administration had an easier time rolling out its remote learning initiatives when COVID-19 happened. The school could better focus on developing training programmes to deliver a blended way of learning using online technology and tools.

Through offering a variety of learning environments, its teachers noticed multiple positive impacts on students, including improved student engagement and reduced passive learning as its learners grow more research-minded and assume greater responsibility for their own education.



Learn how AWS:

- Offers Next Education the security needed to deliver peace of mind for educators
- Supports Next Education with the scalability and flexibility to cope with evolving education needs



Featured speakers:

- **Ms. Aparna Sharma**, Principal, Sheoran International School, Greater Noida
- **Madhan Reddy**, Next Learning Platform Product Specialist, Next Education India Pvt. Ltd.



Science academia marches on with **virtual lab-based** and **team-based learning**

The Faculty of Medicine and Health is one of the largest faculties at the **University of Sydney**. When COVID-19 disrupted schools everywhere, the faculty was able to continue its practical classes and team-based learning sessions using **Lt**, an online learning platform with ready-to-use content for life sciences, nursing, and medicine from EdTech provider **ADInstruments**.

Using an interactive interface consisting of videos, images, and text, Lt replicates the practical experience as closely as possible. Then, it interfaces students with the results for them to analyze. Lt also helps to improve the quality of team-based learning. Students found more time to integrate their learnings before meeting up, enjoyed greater consistency across the cohort, and gained more feedback. The faculty can now deliver a higher quality of team-based learning with fewer tutors, down from 25 to three tutors each year.



Learn how AWS:

- Supports ADInstruments with the scalability it needs to serve universities worldwide
- Empowers ADInstruments with cost-effective solutions to further its research and development



Featured speakers:

- **Jennifer Huch**, Technical Team Leader, Discipline of Infectious Diseases and Immunology, School of Medical Sciences, Faculty of Medicine and Health, University of Sydney
- **Rosa Howard**, Lecturer, Biomedical Sciences, Faculty of Medicine and Health, University of Sydney
- **Amy Bucher**, Head of Education Products, ADInstruments
- **Liam Farley**, Customer Success Manager, APAC Region, ADInstruments



Building a **one-stop platform** that brings everyone together

Education is a journey involving many stakeholders. In Indonesia, EdTech provider **Simak Online** created SiPintar, a learning progress monitoring platform that brings the **Education Agency of Jakarta**, schools, parents, and students together.

Simak Online piloted the platform in senior high schools **SMA 61 Jakarta** and **SMA 70 Jakarta** to promote collaboration. With SiPintar, the education agency gets an overview of schools' performance, enabling it to formulate better policies to support the education service. Schools can use it to arrange teaching and learning routines, track student and teacher attendance, and even leverage it as a communication tool to keep parents updated about their children's activities.



Learn how:

- Simak Online is bringing a one-stop solution that combines school tracking, LMS, and school-parent communication capabilities for over 500 schools, 300,000 students, and 20,000 teachers
- AWS supports Simak Online with the caching and load handling capabilities to handle peak demand during examination periods on a pay-as-you-use basis



Featured speakers:

- **Horale Tua Simanullang**, SPd, MM Principal, SMAN 61 Jakarta
- **Nurjaman**, IT, SMAN 61 Jakarta
- **Wahyuni**, Mathematics Teacher, SMAN 70 Jakarta
- **Checkly Hati**, Staff, Education Agency of Jakarta
- **Rizki Akmanda**, Chief Executive Officer, SimakOnline





Learn how AWS:

- Helps Kelase to scale up LMS capacities to meet peak demands on a pay-as-you-use basis
- Provides Kelase with the scalability to conduct live and interactive online classes



Featured speakers:

- **Wicaksono Febriantoro**, S.T., M.T, Widyaiswara, di PPSDK, Indonesian Ministry of Trade
- **Siti Maisaroh**, S.Pd, MI Al Wathoniyah 43 Jakarta Utara
- **Muhammad Riska**, S.Pd, M.Pd, State University of Makassar
- **Winastwan Gora**, Chief Operating Officer, Kelase/ Edukasi101

The growing power of LMS for education institutions and beyond

Education institutions and enterprises use LMS today to support continuous learning. EdTech provider **Kelase** is helping the Indonesian **Ministry of Trade**, the **State University of Makassar**, MI Al Wathoniyah 43 Jakarta Utara, as well as 28,500 other schools, universities, corporations, and training centres in Indonesia to adopt an LMS.

When COVID-19 happened, Kelase saw demand for its solution increase by 30 percent. Some education institutions use the Kelase platform to support remote and blended learning. Organizations such as the Indonesian Ministry of Trade benefited from the platform's ability to diversify its current training model, and provide eLearning opportunities for its human resources through online reading materials and quizzes.

02

Online examination, assessment, and proctoring

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online examinations
- P.14 The future of examinations,
redefined today
- P.15 Delivering authentic and consistent
online assessments



Safeguarding the integrity of online examinations

As online examinations become the norm, how will educators keep an eye on remote test-takers? EdTech provider **Mettl** is helping **India Institute of Management Bangalore** (IIMB) with online assessment and proctoring technologies to ensure education continuity, and keep assessments rigorous, fair, and equitable.

IIMB educates close to 1.4 million registered learners across 180 countries, including its MOOCs community and local students. With COVID-19 accelerating adoption of online assessments, the institute worked with Mettl to quickly scale up its online platform without compromising assessment integrity.

Demand for online proctoring is rising in India. Using AI trained from over 2.8 million proctored examinations, Mettl is helping educators to detect non-compliant test-taking behaviours, such as accessing unauthorized use of web sources or mobile phones.



Learn how Mettl:

- Helps schools to integrate proctoring as a service with their LMS easily
- Enables schools to achieve up to 95 percent accuracy in cheating detection using AI-based tools



Featured speakers:

- **Prof. Jose P.D.**, Chairperson, Digital Learning and Strategy, India Institute of Management Bangalore
- **Siddhartha Gupta**, Chief Executive Officer, Mettl

The future of examinations, redefined today

COVID-19 disruptions made exam management challenging for schools. **Maulana Abul Kalam Azad University of Technology, West Bengal** dealt with disruption during its peak exam season, which stressed close to 150,000 students, especially those transitioning between graduation and employment.

The university worked with EdTech provider **Learning Spiral** to move its examination operations into the AWS Cloud. They have resumed exams, and the university can now add practicals as part of a student's formative assessment journey and collate these on one integrated system.

The university is now putting more emphasis on assessment styles that test higher-order problem-solving skills, such as open-book exams and coursework, to equip students with the skills and flexibility needed to succeed at tomorrow's workplace.



Learn how Learning Spiral:

- Helps schools to cover end-to-end needs across the full assessment cycle
- Enables schools to manage exams at scale on a pay-as-you-use basis



Featured speakers:

- **Dr. Subhashis Datta**, PhD, MBA, BE, Controller of Examinations, Ex Secretary State Technical Council, Maulana Abul Kalam Azad University of Technology, West Bengal
- **Manish Mohta**, Managing Director, Learning Spiral Pvt. Ltd.



Delivering **authentic and consistent** online assessments

Traditional pen-and-paper assessments typically lack consistency, compared to computerized assessments. **Monash University** wanted to change this. The university runs about 350,000 assessments every year for its community of 85,000 students. Physical exams are resource-intensive, so the university sought an alternative that is more efficient, consistent, and allows it to focus on the essence of assessment.

Monash University decided to develop its own online assessment capabilities. It built assessment components on its LMS, hosted on AWS Cloud. When COVID-19 struck, the university was able to quickly pivot and deliver assessments remotely. Now, the university has developed another invigilation platform to enable its teachers to oversee these assessments via live video streaming for 1,500 students.

As more education institutions discover the value of online assessments, requests for such technology will continue to increase. EdTech providers like **ExamSoft** and **eLumina** have seen requests for digital proctoring double from 5,000 to 10,000 seats.



Learn how AWS:

- Helps higher education institutions to scale up online assessment capacities to meet peak demands in the academic year on a pay-as-you-use basis
- Offers scaling options to handle video-intensive streaming activities, such as online invigilation
- Secures personal data through encryption technologies and hardened operating environments



Featured speakers:

- **Cliff Ashford**, Delivery Leader, Research and Education Services, Domain Business Intelligence and Analytics Capability, Virtual and Augmented Reality Services Unit, Monash University Australia
- **Andrew Parker**, Vice President, Customer Solutions, Elumina eLearning
- **Sebastian Vos**, Chief Executive Officer, ExamSoft
- **Mike Keppell**, Pro Vice-Chancellor, Teaching and Learning, Taylor's University Malaysia



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Media services, content delivery, and gamification

- P.17 Promoting social discovery and learning through AR and analytics
- P.18 Using video to capture the essence of learning
- P.19 How gamification keeps learning fun and relevant



Promoting social discovery and learning through **AR and analytics**

Many children share these qualities: They love being social, enjoy discovering new things, and like being creative, according to EdTech provider **Arludo**. The company built a library of almost 30 games for mobile devices to bring out these aspects in young and older learners alike. Some of these games use AR to enhance the learning experience.

Arludo focuses on innovating for mobile devices because of their ubiquity and ability to bring social interaction into classrooms. As smartphones are easy to use, educators and learners need little training to get on board. Powerful sensors on these devices help create immersive, interactive AR environments where learners can stretch their imagination and learning abilities. Discover how these technologies can help you engage learners while saving you valuable hours of course preparation time, which you can better spend on one-on-one or group discussions.



Learn how:

- You can integrate some of these innovations into your existing LMS to generate live dashboards to understand how students are progressing in real time
- You can use multiplayer games to forge social connections between students, even in environments where internet and hardware access is limited



Featured speakers:

- **Associate Prof. Michael Kasumovic**, Founder and Chief Executive Officer, Arludo





Learn how AWS:

- Unlocks cost savings in content storage and delivery via high compression video technologies
- Uses ML capabilities to enhance video streams with live captioning, translation, and even transcription so video content can be repurposed into other useful formats



Featured speakers:

- **Mostafa Nagay**, Senior Lecturer, Digital Television, Ravensbourne University London
- **Ajaz Ali**, Course Director, Digital Technologies, Ravensbourne University London

Using video to capture the **essence of learning**

Video serves as a cornerstone of many blended courses and is often the primary delivery mechanism in MOOCs. For **Ravensbourne University London**, video plays an even more essential role.

To support learning and industry collaboration for its community of approximately 2,600 students, and over 100 creative technology businesses that utilize its technologies and media resources, the university moved its IT

infrastructure from local data centres into the AWS Cloud.

The university has found VOD to be incredibly useful. Lecture captures, in particular, helps 78 percent of students understand class materials better. 93 percent would like lessons to be captured if they had to miss class. Lecture captures can also be used for MOOCs where masses of students can access these valuable recordings from anywhere in the world.

How **gamification** keeps learning fun and relevant

When schools in Indonesia faced temporary closures because of COVID-19, students were confused and unable to understand the turn of events. Sixty percent of children had no idea about the virus, according to survey findings from the **Government of East Java**. The government had to act quickly in engaging the children's understanding of the virus to protect their well-being.

At the same time, as the country ramped up its online education initiatives, it also had to ensure that its learners continue to stay engaged while staying at home. Together with EdTech provider **Solve Education!** and the **Sampoerna Foundation**, they created and delivered a COVID-19 education package called Game for Charity to the nation's educators and learners through the AWS Cloud.

Game for Charity takes a light-hearted approach to educate children about the coronavirus and what they can do to stay safe during the pandemic. It is an expansion of Dawn of Civilization, an earlier city-building smartphone game from Solve Education! that aims to build literary and mathematical skills among young learners. It also ultimately improves the future employment opportunities of children from marginalized communities.



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Learn how AWS:

- Empowers Solve Education! to accelerate innovation and deploy solutions within weeks
- Supports Solve Education! with the resources and scalability to meet the rising needs of remote learning around the world



Featured speakers:

- **Dr. Makhyan Jibril A**, COVID-19 Curative Task Force, Indonesian Government of East Java
- **Juliana**, Head of Program, Putera Sampoerna Foundation, School Development Outreach (PSF – SDO)
- **Talitha Amalia**, Managing Director, Solve Education! Indonesia

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Student services

- P.21 Simplifying school-parent communications with an application-based approach
- P.22 How AI can help educators watch out for the well-being of learners



Simplifying school-parent communications

with an application-based approach

School-parent communications can be challenging, but app-based solutions are changing the game. **Bathurst South Public School** switched from printed newsletters to a mobile app-based communication solution from EdTech Provider **School Stream** to better connect with parents.

Now, the school proactively sends targeted content to parents, such as permission notes, absenteeism reports, and canteen orders. So far, It has delivered over 22,000 notifications, providing the school significant savings in paper resources. It has also relieved children from the responsibility of having to relay information to parents. More importantly, going digital early helps the school to stay responsive during the COVID-19 situation, when it deployed the app to send home-schooling content to children.



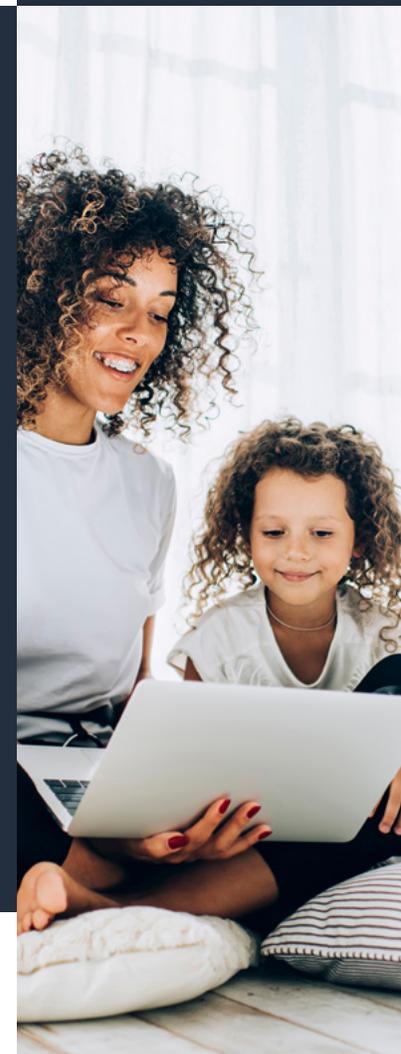
Learn how AWS:

- Supports School Stream with an always-on platform to operate a reliable service
- Enables School Stream to scale up quickly in response to the school's increased demand for sending home-schooling resources on the platform



Featured speakers:

- **Greg Cross**, Principal, Bathurst South Public School
- **Kristy Morgillo**, School Administrator, Bathurst South Public School
- **Melissa Bridson**, Founder and Chief Executive Officer, School Stream
- **Brad Carter**, Customer Success Manager, School Stream



How AI can help educators watch out for the **well-being of learners**

In the absence of in-person monitoring, educators need to do more to protect the well-being of learners. Through the AI-powered mobile app Pulse from EdTech provider **Educator Impact**, **St. Philip's Christian College Cessnock** and **Korowa Anglican Girls' School** opened communication avenues for learners to provide regular feedback in real time.

The solution empowers front-line educators from both schools to intervene early while helping learners to understand that their well-being is being supported. Students become active participants in managing their own well-being. Within weeks, a principal can observe school-wide trends, take visible action immediately, and adjust plans over time for continuous improvement.



Learn how AWS:

- Provides Educator Impact with the availability and scalability needed to handle surges in demand
- Supports the efforts of Educator Impact to be compliant with the General Data Protection Regulation and Australian Data Privacy Regulations, securing students' data



Featured speakers:

- **Darren Cox**, Principal, St. Philip's Christian College Cessnock
- **Kellie Lyneham**, Deputy Principal, Korowa Anglican Girls' School
- **Dr. Joe Thurbon**, Founder and Chief Technology Officer, Educator Impact



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Smart/digital campus

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- P.25 Driving more efficient campus-wide IT management
- P.26 Higher education's highway to digital transformation
- P.27 Opening a world of learning opportunities with Moodle



Embracing change to deliver better outcomes

EdTech adoption in India usually faces three challenges, according to the experiences of **Yashwantrao Chavan Maharashtra Open University** (YCMOU) and **Manipal University Jaipur**: convincing teachers to come on board, finding the right EdTech provider, and keeping costs manageable.

After working with EdTech provider **MeritTrac**, the universities learned that they could conquer these challenges. Well-designed, easy-to-use solutions assuage teachers' fears of new, unfamiliar technology and give them the confidence to use it regularly. The right EdTech provider should be able to engage schools in a collaborative process. They can manage costs by using automation to reduce person-hours, with emphasis on return on investment instead.



Learn how AWS:

- Helps MertiTrac deliver a wide range of deeply integrated solutions for a seamless experience
- Supports MertiTrac with encryption technologies to keep education institutions' sensitive data private and secure



Featured speakers:

- **Dr. Arjun Ghatule**, Ex. Director, Board of Examinations and Evaluation, YCMOU Nashik (MS)
- **Dr. G K Prabhu**, President, Manipal University Jaipur
- **Mr. Sudhanva Kimmene**, Head of Delivery, Merit Trac Services

Driving **more efficient** campus-wide IT management

Campus-wide IT management is multifaceted. Beyond enabling virtual learning environments, there are also operational and administrative aspects to consider. Here's how EdTech provider **CollPoll** helped **MIT Academy of Engineering** (MITAOE) move to an LMS and enabled **OP Jindal Global University** (JGU) to better manage its on-campus IT operations more efficiently.

MITAOE transitioned into the virtual environment to embrace an online LMS. Now, it no longer needs to fret over the distribution and engagement issues of its course materials. The LMS allows its students to download course materials easily and engage in online lessons.

JGU is a completely residential university with approximately 5,100 students in its care. Using CollPoll helped the university digitize its workflows, reduce its reliance on manual management, and facilitate tasks such as meal registrations and crowd management.



Learn how AWS:

- Supports CollPoll to provide complete student lifecycle management
- Helps CollPoll to automate any workflow to boost efficiency and productivity



Featured speakers:

- **Dr. Mahesh Goudar**, Director, MIT Academy of Engineering Pune
- **Karan Kumar**, Head, IT, OP Jindal Global University
- **Hemant Sahal**, Founder and Chief Executive Officer, CollPoll

Higher education's highway to **digital transformation**

To accelerate its IT modernization journey, **Asia Pacific University** worked with AWS to better serve its approximately 12,000 students. The university used an old infrastructure, which was costly to maintain, and experienced frequent downtimes. After moving its DevSecOps, security, and operations into the AWS Cloud, the university was able to shift its focus from fixing issues to innovation and automation. This enabled it to better connect business value to innovation, and generate the buy-in needed to drive digital transformation.

Graphic Era University kick started its digital transformation journey with Moodle on AWS. It chose an open-source LMS that is popular within the teaching community and moved their Moodle workloads to the cloud. So, the university was able to quickly provide the platform and tools needed for remote learning while adhering closely to strict academic timelines.



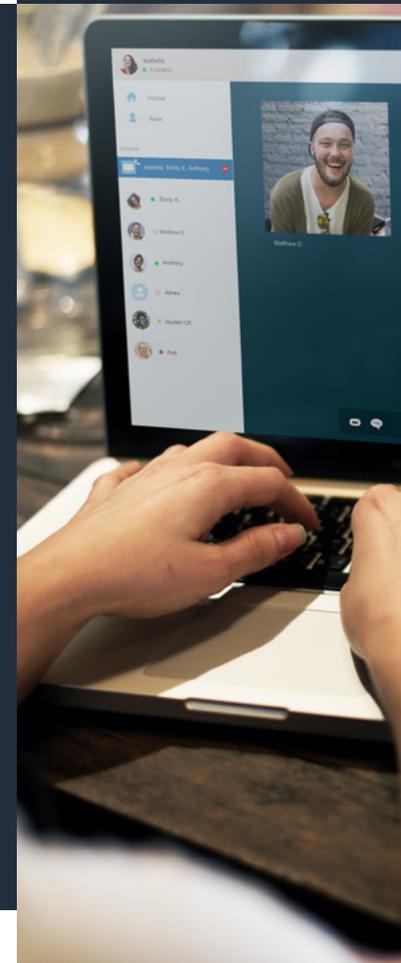
Learn how AWS:

- Helps the Asia Pacific University to reduce user complaints by 65 percent
- Enables Graphic Era University to achieve high availability and scalability for Moodle



Featured speakers:

- **Mohammad Reza Ganji**, Digital Transformation Lead, Asia Pacific University of Technology and Innovation Malaysia
- **Aditya Agnihotri**, Head, Digital Marketing, Graphic Era University India



Opening a world of learning opportunities with **Moodle**

Moodle, an open-source LMS, is highly popular with educators around the world. Besides being user-friendly, flexibility is its biggest appeal. Educators can quickly access a wide range of solutions without being locked in by licencing costs.

Moodle stood out to **Graphic Era University** as a flexible, cost-effective solution. Working with EdTech provider **Ballistic Learning**, the university was able to implement Moodle as an interim solution within days to run online examinations for its community of approximately 18,000 students.

Now, the university can even provision exams for students living in remote parts of the country, some on mountains at altitudes as high as 7,000m where internet connectivity is limited. With effective use of caching and load handling capabilities from AWS, Moodle enabled students to take their exams successfully, using as little as 100Kbps, on their mobile devices.



Learn how:

- Ballistic integrates value-added services and exclusive features for Moodle
- Moodle improves student experiences with AI and ML



Featured speakers:

- **Aditya Agnihotri**, Head, Digital Marketing, Graphic Era University India
- **Pallavi Bajaj**, Director, Ballistic Learning
- **Lokesh Nayyar**, Client Engagement, Ballistic Learning



Key takeaways





Key takeaways

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What schools need to consider about going online

- Ensure you have a hybrid strategy, which supports both online and on-campus learning, so that you have the flexibility to adapt to change during times of uncertainty.
- Overcome the inertia of having the perfect plan. Many schools have succeeded by simply getting started then adjusting their plans along the way and customizing to the school's unique needs.
- Focus on leveraging technologies the school is already using and augmenting with value-added solutions to enrich the current process.
- Gain strong executive support from the top as early as possible to ensure commitment to the digital transformation process.

How to help educators who are new to EdTech

- Frame the process as a journey that both educators and learners are taking together. It's powerful for students to see their teachers as learners, which encourages a mutual process of constructive dialog and feedback.
- Help educators understand that the role of technology is not to replace but to enhance and empower them to drive better outcomes.
- Ensure educators have access to support. They can reach out to our EdTech providers, lean on fellow educators who have experience in using some of these technologies, or participate in online support groups where other educators actively share ideas.
- When getting started, encourage educators to go slow. There's no rush to master everything all at once. Assure them to take small steps and move on after they feel more comfortable.



Key takeaways

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How the AWS Cloud caters to education needs

- You'll need to invest in technology that is flexible and adaptable to the specific and unique needs of an educational environment.
- The AWS Cloud offers the flexibility and capability to scale and meet those needs (e.g. high-demand periods such as assessments, examinations, etc.) without the school having to provision and invest in costly equipment that may be under-utilized during the academic year.
- The AWS Cloud is vigilant about your school's privacy. With AWS, you can build on a secure global infrastructure, knowing you always own your data, including the ability to encrypt it, move it, and manage retention. Additional encryption layers exist as well to keep your data well secured.
- If you have international campuses around the world, using AWS allows you to have the infrastructure in many parts of the world serving your different institutions.
- More than 9,000 education customers use the AWS Cloud to lower IT costs, launch student analytic initiatives, and prepare students for careers in science, technology, engineering, and mathematics.

Take your next step with us

As more education institutions embrace digital learning, we will continue to see an explosion of new ideas, new methods, and new platforms that will power the ongoing transformation of education models in the new world. In your journey to the future, implementation shouldn't be a challenge. AWS is helping K12 schools and institutions of higher learning around the world to leapfrog the integration of EdTech to propagate digital learning. Build on the expertise of our technology providers and consulting partners to access a wide variety of cloud-based solutions and get the support you need to achieve your aspirations.

Let us take your next step with you. [Learn more about how AWS can transform education today.](#)

