Empowering students with a Mobile First Campus

Digital curriculum, classroom collaboration and context-aware services can elevate success for the always connected student. As mobility and IoT enabled environments increase, so does data capacity demands. Additionally, the need for live-work-play-learn ammenities to attract new students becomes a priority[1]. As network challenges evolve, a secure and always-on Wi-Fi-enabled campus is a must.

CONSIDERATIONS

ENABLING STUDENTS FOR SUCCESS

78%
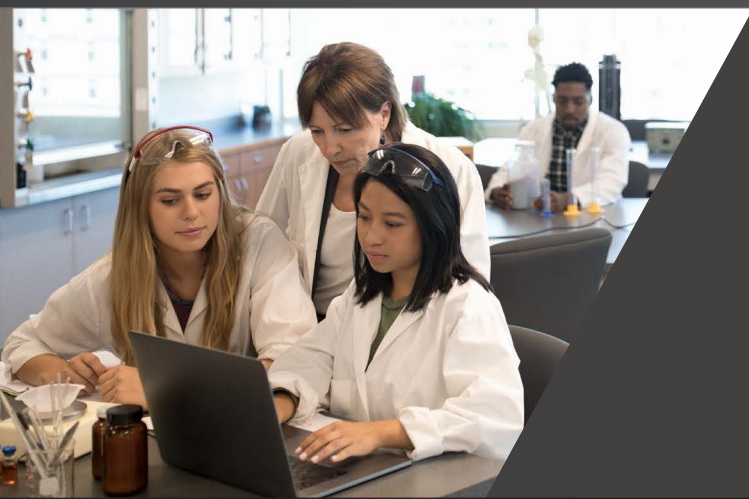use of technology contributes to the successful completion of courses[2]

#1
negative impact on academic success is connectivity issues[3]

85%
transition to college would be easier if they had an app[4]

Statistics based on direct feedback from students.

INFLUENCING OUTCOMES WITH ANALYTICS

at least **25%**
of students want data-driven personalization for academic matters, financial aid, and career prep[4]

only **56%**
of undergraduates graduate in 6 years[5]

Analytics can be used to gain insights and improve student success.

SECURING AN ALWAYS-ON DIGITAL WORLD

455
Higher Education security incidents with
73
confirmed breaches[6]

Based on 2016 data.

Social
was involved in almost
44%
of the breaches, mostly via phishing emails[6]

36%
of students shared their device password
19%
shared their online account PIN[7]

Based on 2017 data.

SUPPORTING DEVICE CHOICE AND PROLIFERATION

81%
connect two or more devices to the campus network simultaneously[7]

51%
use laptops in class to make other connections with the learning material[7]

12M+
authentications per day at 50k+ student university[8]

THE SMART CAMPUS SOLUTION

ALWAYS ON CONNECTIVITY

- Uninterruped high bandwidth connectivity while roaming or in dense environments (ClientMatch, AirMatch, Smart Rate)
- Identify issues before students do (AirWave, NetInsight)
- Optimize poor performing environments (NetInsight)

360 SECURE FABRIC

- Differentiate access for students, staff, guests, and IoT (ClearPass)
- Machine-learned analytics to detect and respond to security risks (IntroSpect)
- Define access policies for different users and groups (ClearPass)

INSIGHTFUL AND AUTONOMOUS

- Automatically segment traffic to the correct location (Switches and ClearPass)
- Automatically improve user experience with load balancing, RF optimization, hitless failover (ArubaOS 8)
- Automate troubleshooting and streamline operations (8400 with NAE)

SIMPLIFIED AND FLEXIBLE

- Save time with unified wired and wireless IT operations
- Do things YOUR way (software defined, APIs, multi-vendor)
- Quickly scale to address new network demands

SMART SPACES WITH LOCATION AWARENESS

- Improve student and guest experience with wayfinding
- Engage students with location-based content
- Rich SDK options for customer app development

Aruba enables IT to reinvent higher education and campus environments – from dorm rooms to student centers, lecture halls to sports venues – empowering students and facilitating intelligent mobile and IoT experiences.

Ready to build your mobile-first higher education network?
visit www.arubanetworks.com/highereducation

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Learn more: www.arubanetworks.com

Sources:
1 Halls of Learning Emulate Workplace Design, College Planning and Management
2 ECAR 2016 Student Survey
3 Survey: Most students say technology boosts academic success
4 Nearly All Prospective Students Want a Tech-Savvy Institution
5 NCHEMS Information Center
6 Verizon 2017 Data Breach Investigations Report
7 The Educause Almanac for Undergraduate Student and Technology Survey, 2017
8 Information shared with Aruba by a large university

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