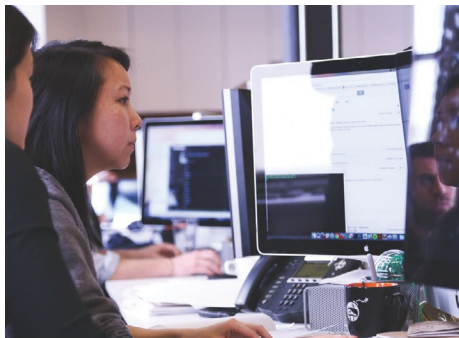# How Arista Cognitive WiFi™ Enhances Innovation in Higher Education, Computer Science and Engineering

Computer science and engineering schools focus on inspiring young scientists and engineers through academic rigor, hands-on learning, and experimentation. Strong reputations for talented faculty, quality programs, and modern technology are vital for attracting the best and brightest students. Department and IT leaders must keep up with technology solutions that enable learning and advance novel ideas. Open systems that are flexible, programmable, and easy to use enable students to solve complex use cases, discover data trends, fine-tune networks, and contribute to advanced research projects. Solutions must be cost-effective to acquire and operate in order to fit within limited department budgets.

Foster Innovation with Arista

- Easily configure, manage, and operate the network with Cognitive WiFi™
- High-performance Wave 2 802.11ac APs
- Drive innovation with Big Data and AI
- System integration with RESTful APIs
- Network isolation for research projects
- Drive to open standards
- Better pricing model, CapEx reduction, minimal hardware

University collaborations:

Computer Science and Engineering Goals

- Developing innovative technology in the fields of computer science and data science
- Attract the best and brightest students
- Inspire young scientists and engineers for the future
- Quality computer science programs
- Secure and flexible frameworks to operate R&D networks and applications on campus
- Stay within budget with predictable costs

Platform for Innovation

- Turn the entire campus WiFi in an innovation lab
- Empower faculty, students and IT staff to try out novel ideas
- RESTful APIs as building blocks

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