How Higher Education Institutes Use Arista Cognitive WiFi™ to Boost R&D and Innovation
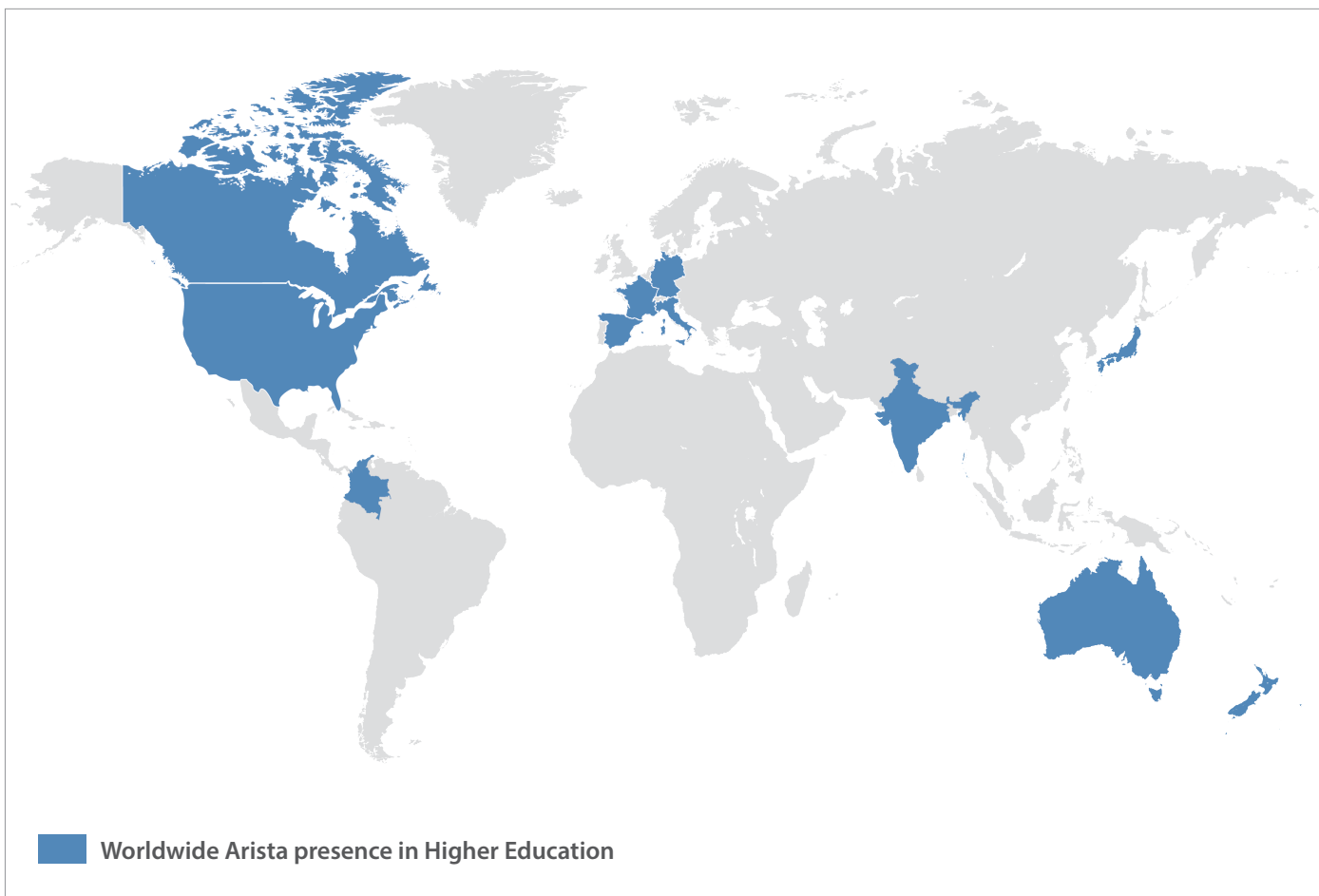
Computer science and engineering schools focus on inspiring young scientists and engineers through academic rigor, hands-on learning, and experimentation. Strong reputations for talented faculty, quality programs, and modern technology are vital for attracting the best and brightest students. Department 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.

ARISTA

Institutes where we empower R&D:

- IISc Bangalore
- IIT Jammu
- IIT Bhilai
- IIT Bombay
- IIT Dharwad
- IIT Mandi
- IIT Tirupati
- IIT Madras
- IIT Delhi

Computer Science & Engineering Goals	Arista Solutions
Secure and flexible frameworks to operate R&D networks and applications on campus	• Easily configure, manage, and operate the network with Cognitive WiFi™ • High-performance Wave 2 802.11ac and WiFi 6 (802.11ax) APs • Drive innovation with Big Data, Machine Learning, and AI • System integration with RESTful APIs and OpenConfig
• Attract the best and brightest students • Inspire young scientists and engineers for the future • Quality computer science programs	• Turn the entire campus network into a research and innovation lab • Empower faculty and students to try out novel ideas • RESTful APIs and OpenConfig as building blocks
Develop innovative technology in computer science, wireless communication networks, and data sciences	• Multi-function radio in APs with programmatic control to enable a wide range of lab experiments • Drive to open standards • Location-based, granular access controls to manage live testbeds for R&D projects
Stay within budget with predictable costs	Better pricing model, CapEx reduction, minimal hardware

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