Integral University

High-performance APs Make Tech-enriched Education Possible at Indian University

Customer at a glance
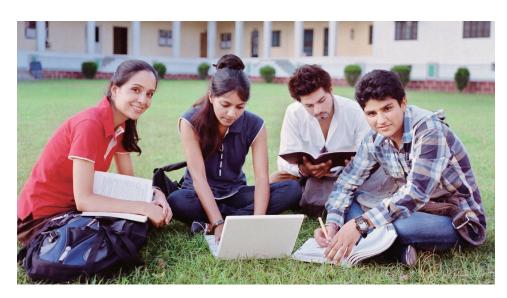
Customer Name
Integral University

Industry
Education

Country
India

Customer Background

Although founded only in 1998, Integral University is also ranked among the top five universities in Lucknow, the capital city of India's most populous state, Uttar Pradesh. The university was specially established by the state government to encourage students to pursue excellence and innovation. Spread across 120 acres, the school has over 11,500 students in 14 faculties and 48 departments, and houses modern amenities for learning, sports, health care, and accommodation.

INTEGRAL UNIVERSITY

Summary

The university had recently completed construction of a new building for its Agricultural Science and Tech Department. Standing eight floors high, it was ready to nurture the curiosity and innovation of more than 200 students – and it needed a network to match. The new network needed to support extremely high bandwidth to meet the demands of the densely populated student body, particularly with large numbers of them accessing media-rich learning materials at the same time. After consulting its system integrator Goyal Computers, the school designed a plan to deploy Zyxel APs in corridors throughout the building, convinced not only by their high performance but also their streamlined installation. The Zyxel WAC6103D-I APs chosen for the project were supremely suited for the job: their dual-optimized antenna design offers adjustable antenna patterns, they can be ceiling- or wall-mounted, and their switchable signal patterns reduce inter-floor interference. They also feature advanced WiFi features such as load balancing and smart-client steering. With these clever design features, the APs ensure signals reach every nook and cranny, even in a crowded, complex environment. Integral University students and faculty are now experiencing this first-hand, with the smooth, consistent, and uninterrupted wireless access experience offering an enriched, unrestricted education.

Challenges

- Implement top-grade WiFi solution to enable seamless high-speed connectivity throughout the department building
- Ensure network can support simultaneous high-bandwidth usage by large numbers of users

Benefits

- Hassle-free WiFi network access for students and teachers
- Enriched, higher-quality education possible through Zyxel's latest network technology

Product used

- WAC6103D-I 802.11ac Access Point