



CASE STUDY

International Centre for Sanskrit Studies

Managing prepaid Wi-Fi access for an
academic hostel.

The International Centre for Sanskrit Studies provides wireless internet facilities to hostel students, requiring seamless management of Wi-Fi access for multiple users. K7 AAA delivers enterprise-grade user management with complete control over prepaid wireless network access.

Client Snapshot

» 165 Courses

» Students from 100 Countries

» 25 Access Points

The client requires reliable Wi-Fi management across 3 storeys supporting 100 concurrent users. K7 AAA provides hotspot management with support for prepaid internet access vouchers and provision for internet redundancy.

Hostel Wi-Fi Management with K7 AAA

The Client's Requirements

- Hotspot management for hundreds of concurrent users
- Integration with existing wireless network infrastructure
- Voucher-based wireless access
- Role-based admin restrictions
- Connectivity redundancy
- Quick deployment



Scalable user
management without
stability impact

01

Integration with 3rd
party wireless access
points

02

Comprehensive
voucher-based user
management

03

Why the Client Chose K7

Role-based admin
privileges

04

Internet failover

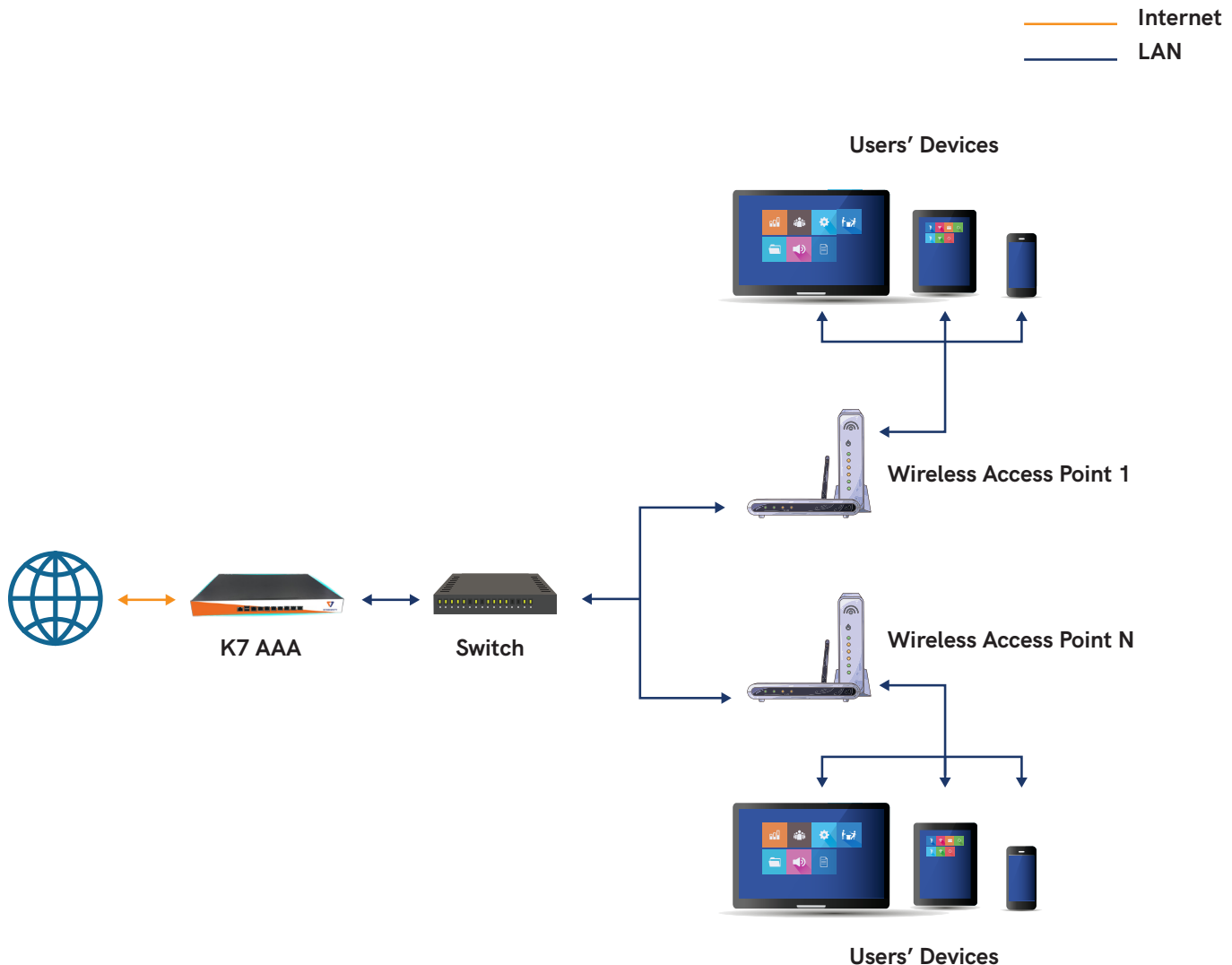
05

Rapid rollout

06

The K7 Solution

K7 AAA simplifies network user lifecycle management with enterprise-grade Authentication, Authorisation, and Accounting (AAA) for wired and wireless networks.



Stable, Scalable User Management

The client wished to provide seamless Wi-Fi access to 100 concurrent users, with the capability of expanding to 250 concurrent users. Their management was pleased that K7 AAA could be scaled to meet their current and future requirements, and delivers lifecycle management for thousands of users without degradation in stability.

Integration with Existing Wireless Access Points

The client has deployed 25 wireless access points across their 3-storey facility and required the hotspot manager to integrate with their existing wireless infrastructure. K7 AAA works with any device supporting standard NAS protocol and K7's team ensured seamless integration with the client's wireless network, delivering glitch-free internet access throughout the hostel.

Voucher-based User Management

The client's IT team manually configured Wi-Fi access on each student's device, and wished to transition to a prepaid, voucher-based, self-service system to provide access. With K7 AAA they were able to provide vouchers, offering 5, 25, and 50 GB of data transfer at 10 Mbps; the vouchers can be printed with plan details including data eligibility, bandwidth, validity period, number of concurrent devices allowed to access Wi-Fi per user, and access credentials. K7 AAA also offers a captive portal (customised with the client's logo) where users can login from their device with their credentials to gain Wi-Fi access, offering intuitive self-service that saves the IT team's effort and reduces the time required for students to obtain network access. Voucher-based data consumption is also reported, allowing analysis and projection of future connectivity requirements.

Role-based Admin Privileges

The client's IT team wished to allow student programme managers to create vouchers during enrolment, but prevent further console access. K7 AAA enabled IT admins to create voucher templates and provide limited console access to programme managers, that only permits creating vouchers when needed, which perfectly suited their requirements.

Connectivity Failover

The client's IT team required the hotspot management solution to support interruption-free connectivity by integrating a secondary internet line in future. They were happy that K7 AAA included load balancing/internet failover with support for multiple ISPs, allowing them to upgrade their connectivity infrastructure to meet the evolving requirements of students.

Rapid Rollout

The client's campus is known for offering a serene environment, and therefore the client required quick and discreet deployment that wouldn't impair the student experience. The client's management were delighted that K7 AAA was deployed, including integration with existing wireless infrastructure, within 1 day.

K7 AAA simplifies the technical, administrative, and regulatory challenges associated with hotspot user management, with the scalability required to support expansion of operations. **Contact Us** to learn more about our networking and cybersecurity solutions and how we can help you create robust enterprise networks.



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