How we built India's largest campus Wi-Fi

iBUS
Digital. Infrastructure. Solutions.

The Client

Our client is a distinguished education institution in India, spanning over a vast 600-acre campus, serving over 70,000 students annually.

The institute is known to offer exceptional infrastructure, industry-trending knowledge resources and global education to their students. In 2007, the university faced challenges in providing reliable and satisfactory Wi-Fi connectivity across the entire hostel area in their campus.

The Challenge

The existing wired network fell short in covering the entire hostel region, resulting in network disruptions for their students. Network maintenance and operational challenges resulted in inconsistent connectivity, lowering student satisfaction with campus Wi-Fi.

Lack of a centralized and secure Wi-Fi infrastructure further complicated the issue, making compliance with the university's Internet policy a concern.

Our Solutions

We collaborated with the University to implement a robust Wi-Fi connectivity within their campus.

Complete indoor 802.11 ax (Wi-Fi 6) and 802.11 ac (wi-Fi 5) network comprising of 4000 Tier 1 access points spread across 80 hostel blocks.

Custom internet speeds to 15 Mbps per student, for two devices with a monthly data cap of 300 GB.

A single sign-on feature was introduced for students to easily access internet across campus from classrooms and labs to hostels.

Onsite technical support was set to handle network complaints and student queries

Free technology upgrades and coverage enhancements to optimize performance.

Our Client Today

Innovation at its finest,
connected by iBUS.

Network anywhere

With a robust infrastructure covering an expansive 5 sqkm, the client achieved the distinction of being India's first institute with the largest and densest network capabilities.

Intra and inter network

The intra-network connectivity empowered students to access e-journals, online events, lectures, and various resources seamlessly, enhancing the overall learning experience.

Empower and grow

Students gained access to high-speed internet within their hostel blocks, fostering growth and collaboration for their academic projects.

Worry-free O&M

The efficient operations and maintenance support provided by the new infrastructure ensured a reliable and seamless network.

Communication made simple

With an improved network, the campus was able to develop a common social communication platform, effectively reaching all students.

Happy students

Student satisfaction with the campus Wi-Fi surged by an impressive 70%, elevating the overall campus experience.
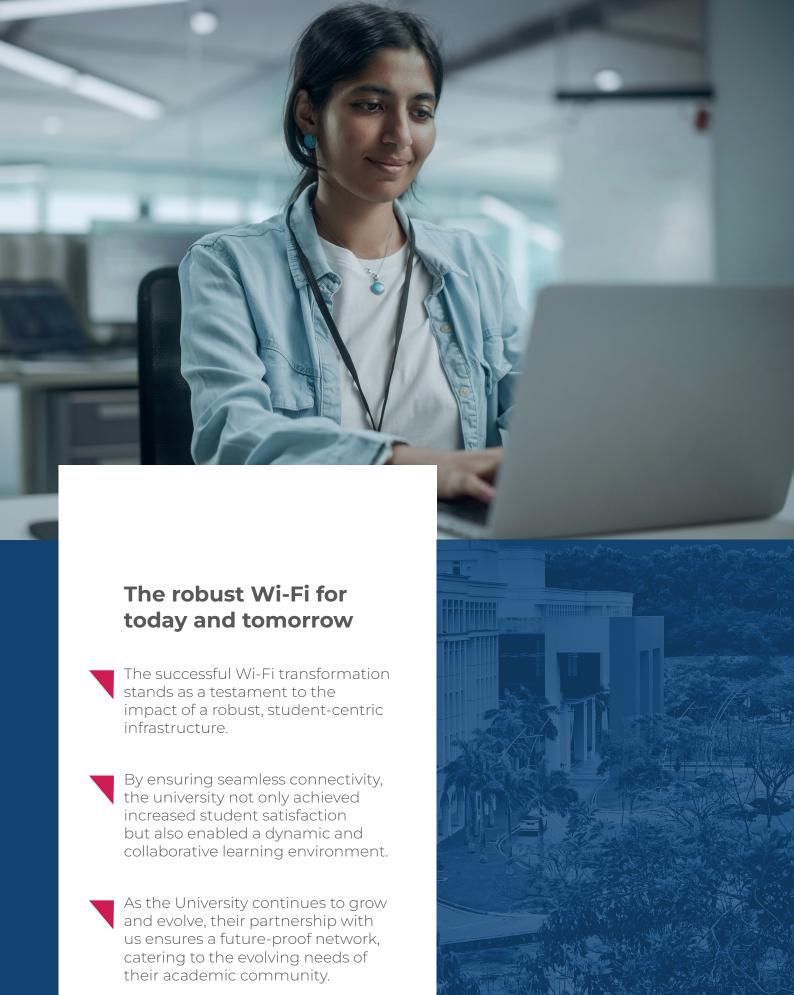
Revenue generation

A separate internet revenue plan was established, allowing students to upgrade to higher speeds if desired, contributing to additional income for the university.

Fully scalability

The university benefited from free tech upgrades and scalability support from us, securing a reliable network partner for future scaling plans.

The robust Wi-Fi for today and tomorrow

▼ The successful Wi-Fi transformation stands as a testament to the impact of a robust, student-centric infrastructure.

▼ By ensuring seamless connectivity, the university not only achieved increased student satisfaction but also enabled a dynamic and collaborative learning environment.

▼ As the University continues to grow and evolve, their partnership with us ensures a future-proof network, catering to the evolving needs of their academic community.

Feedback

"The performance of the network has been satisfactorily from its commencement date"

Assistant Director, IT