Agricultural University

Indian University Gets High-Speed Internet Connectivity Across the Campus

Customer at a glance

Customer Name
India's Agricultural University

Industry
Education

Location
UP, India

Customer Background

It is a state university located in Uttar Pradesh and is also a leading center for agricultural education and research. The university offers undergraduate, postgraduate, and doctoral programs in various fields of agriculture, horticulture, forestry, and fisheries.

Summary

The university wanted to build a new network infrastructure, hence they were looking for a solution provider they could rely on. They are required to provide wired connectivity to different department users and wireless connectivity to their students across the premises. After multiple PoCs from different vendors, they put their trust in Zyxel and decided to deploy our solution. Zyxel, being a brand to look after its customers, managed to deliver a meet-the-requirement solution that included a core switch, a network switch, multiple PoE switches, and wireless access points to the university.

Our XGS3700-24 switch acted as a DHCP server for all the VLANs whilst the GS2210-24 switch served as the center point for the latency-proof wired network. Our WAC6103D-I access point, powered by GS1900-10HP switches, could ensure continuous connectivity to offer a smooth and uninterrupted wireless experience to the wireless users. The university's management was more than satisfied with the stable wireless connectivity across the campus and the simplified wired network deployment from Zyxel's solution. The solution also helped to provide an isolated network environment for each department to ensure secure communication.

Challenges

- Ensure smooth and uninterrupted wireless connectivity
- Begin running VLANs and DHCP servers for each department
- Ensure secure communication across the whole campus

Benefits

- Fast, secure, and uninterrupted wireless connectivity across the entire campus
- The core switch saves extra cost and effort for DHCP Server
- Low latency wired connectivity for each department

Products Used

- XGS3700-24 L3 Access Switch
- GS2210-24 L2 Managed Switch
- GS1900-10HP Smart Managed PoE Switch
- WAC6103D-I 802.11ac Access Point