






Case Study

Revolutionizing Education Connectivity

Delivering robust LAN and Wi-Fi solutions to Rahul Foundation's integrated campus in Durgapur.

Customer Profile

-  **Customer Name:** Durgapur Institute of Advanced Technology & Management
-  **Location:** Durgapur Paschim Bardhaman, West Bengal
-  **Industry:** Education

Customer Background

Established in 2002 by industrialist R.N. Majumder, Rahul Foundation is a renowned trust committed to providing quality higher education. It operates six advanced institutes in Durgapur with state-of-the-art infrastructure, including libraries, labs, computer centers, hostels, and modern amenities. The foundation focuses on preparing students for the demands of a globalized world with multidisciplinary programs across engineering, management, and technical education.

Project Scope

LAN & Wi-Fi networking solutions

Challenges

- Lack of systematic configuration across the campus network.
- Persistent IP and broadcasting issues disrupting connectivity.

Solution Provided

LAN Networking Solutions

- High-capacity Layer 3 switches with 10G uplink options for redundancy.
- PoE models for simplified deployment of access points and cameras.
- Advanced features like QoS, VLANs, link aggregation, and ACLs for enhanced security.
- Centralized management through Omada SDN.

Wi-Fi Networking Solutions

- Deployment of Wi-Fi 5/6 indoor and outdoor access points for seamless connectivity.
- Integration of Omada SDN Controllers (cloud and on-premises options) for centralized management.
- Features like AI-driven optimization, seamless roaming, and detailed traffic analytics.

Monitoring and Management

- Centralized dashboard for real-time monitoring and alerts.
- AI-powered network optimization for proactive maintenance.

Cost-Effectiveness

- Flexible deployment options, including cloud-managed solutions to minimize costs.



Products

Access Points

EAP225 | EAP245 | EAP610 Indoor

Controllers

DC200
DC400

Routers

ER-605

Switches

SX6632YF | TL-SG3428X
TL-SG3428 | TL-SG3428XMP
TL-SG2428P | TL-SG2210MP

SFP Modules

TL-SM311LS
TL-SM5110LR

