

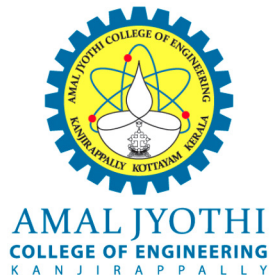


Technical education provider **Amal Jyothi** ups the game with Sophos.

Amal Jyothi College of Engineering [AJCE], located in Kanjirappally, Kerala, India, is a professional educational institution offering technical higher education and research. It is affiliated to APJ Abdul Kalam Technological University. The college was established in 2001 and is the first new-generation engineering college in Kerala with all departments accredited by the prestigious National Board of Accreditation [NBA].

AJCE has more than 3,500 students and more than 380 faculty members. It regularly conducts online classes and exams and therefore requires a high-end security solution that facilitates smooth operations.

CUSTOMER-AT-A-GLANCE



Amal Jyothi College of Engineering [AJCE]

Industry
Education

Website
www.ajce.in

Number of Users
5,000

Sophos Solutions
Sophos XG 650

Challenges

- Poor connectivity across the campus
- Lack of visibility into users' browsing patterns – did not flag inappropriate use
- Difficulty applying rules-based policies to monitor usage
- Inability to create intelligent, customized reports
- Lack of control over web and application activity

Is it time to say goodbye to the legacy system?

With more than 15 servers and three ISP lines being managed by the one legacy security product, the Amal Jyothi College of Engineering (AJCE) was experiencing constant connectivity issues. The product also failed to provide user authentication and visibility, automatic logging, and reporting. Issues with its dynamic host configuration protocol were also exacerbating the situation.

“Due to constant speed lags, we were heavily inconvenienced,” says Tojin Xavier, IT head, AJCE.

What makes Cyberoam/Sophos the perfect choice for growing organizations?

In 2013, Amal Jyothi College of Engineering initiated a proof of concept to evaluate various security solutions to address the issues it was facing with its incumbent security solution. Based on its robust performance, Cyberoam (now Sophos) CR2500iNG-XP firewall was implemented across the entire network over with the help of Comtech IT Solutions Private Limited, an implementation partner of Sophos. The organization continues to provide maintenance of the firewall.

Xavier remarks, “The CR2500iNG-XP delivered its promise of security, connectivity, and productivity during the trial period. Functions such as inline application inspection and control, website filtering, HTTPS inspection, Intrusion Prevention System, VPN, and granular bandwidth controls were the main points of assessment. We found it meeting our expectations of effortlessly serving our large user base.”

The institution later upgraded to Sophos XG 650, which offered additional features to protect the growing college.

“The Sophos XG 650 gives us added technologies, such as the Sophos Security Heartbeat™, Sophos User Threat Quotient, and Sandstorm Protection that are powered by deep learning. The upgrade proved to be beneficial with advanced multi-layered security, high visibility, and greater control over web and application activity,” notes Xavier.

‘Classes and exams could not be conducted efficiently as a result. Fortunately, we were introduced to a high-performance firewall that provides comprehensive protection.’

Tojin Xavier
IT head
AJCE



How did the Sophos solution impact life around the campus?

The institute uses Sophos at the gateway level. Sophos extensively scans the network and exposes hidden risks, blocks unknown threats, and automatically responds to incidents.

Xavier adds, "the Sophos XG solution is extremely fast to identify the user and source of an infection on the network. It also automatically quarantines the threat from our other network resources. The 360-degree visibility into high-risk users, unknown apps, advanced threats, and suspicious payloads provides the robust security needed by a large and fast-growing institution such as ours. The solution has effectively helped protect against threats and we have not experienced any security breaches since installation."

"As an educational institution, we require a high level of visibility to monitor our users' activities. The transparent proxy technology provides ultra-low latency inspection and HTTPS scanning of all traffic for threats and compliance. The solution's Secure Web Gateway policy controls and manages advanced user and group web controls effectively. It allows us to apply policies based upon uploaded web keywords to identify inappropriate use or behavior," Xavier describes.

'Sophos removes the need to use a subnet for the network. It also provides customized reports, user group authentication and weekly automated backup, which reduces our workload and saves time.'

Tojin Xavier
IT head,
AJCE

To find out how Sophos can provide solutions for your business, visit www.sophos.com/products.