

# EAL4+ Certified Cyberoam Safeguards Rajagiri's Network with its Identity-based Security Features



## Case Study



### Organization

Rajagiri College of Social Sciences

### Country

India, South Asia

### Industry/ Vertical

Education



## The Rajagiri Challenge

Rajagiri, the pioneer of Social Sciences, Engineering and Management Studies in Kerala, is known for its academic freedom. They believe that the Internet plays a key role in cutting-edge research and learning. Most importantly, the Internet is required for enabling the students and staff to access Library and Information Division materials from web. However, when it comes to usage of the Internet, the college has a responsibility to protect its students and staff from the Net's harmful and unproductive side.

Mr. Tolly Thomas, the System Manager at Rajagiri Centre for Business Studies said, "We needed a solution that could provide us full accountability of web and application usage of the students, and guard the college network from Viruses and Spywares."

According to Mr. Thomas, they faced the following security issues:

### Need for Web and Application Filtering

The students and staff at Rajagiri rely heavily on the Internet to access the Library and Information Division materials from web. Mr. Thomas wanted to provide a fair and disciplined Internet access to all users. Some productive websites and applications need to be always available to the students in a secure way. At the same time, unproductive and harmful websites and applications, and undesired upload/download etc. needed to be blocked. Mr. Thomas said, "Having full visibility, security and control over the websites and applications accessed over the college network was a key requirement."

### User Accountability Issues

Rajagiri desired deployment of a proper user accountability solution in the network which could monitor the entire browsing pattern of a user. With a rise in the Bring Your Own Device (BYOD) trend, especially in the leading and modern day educational institutes, gone are the days where all the users used a single entry point to connect to the network. Mr. Thomas worryingly quoted, "We wanted a solution that could provide us with total accountability of a user's Internet activities, irrespective of the device they use to connect to the college network".

### Virus and Malware Threats

"Looking at the heavy usage of the Internet for academic purposes, it becomes necessary for the college to provide the students with a Virus and Malware free environment to work in", said Mr. Thomas. He wanted the solution to identify and cover all possible entry points that could possibly lead to the college network being infected with such threats. To summarize, he was looking for an efficient Anti Virus and Spyware solution that could guard the college's network at the Gateway level.

## Corporate Profile

Rajagiri College of Social Sciences (Rajagiri) was established in 1955 as a result of the indefatigable industry and foresight of the Carmelites of Mary Immaculate (CMI). The CMI were the first indigenous religious congregation for men in India, who dedicated themselves to education at all levels. The college has established a perfect ambience for learning and the highest level of academic performance by providing state-of-the-art infrastructure and facilities.

The School of Social Work is one of the pioneering institutions in South India, establishing programmes and setting the standards for the field. The School of Management is nationally ranked and recognized. The School of Computer Science and the School of Library and Information Science maintain the axiomatic spirit of Rajagiri - 'Relentlessly Towards Excellence'.



*"We needed a solution that could provide us full accountability of web and application usage of the students, and guard the college network from Viruses and Spywares."*

**Mr. Tolly Thomas**  
System Manager  
Rajagiri

## The Cyberoam Solution

Rajagiri was in search of a solution that could provide them with top class total security services. They looked into major network security vendors including FortiGate, NETASQ, CheckPoint and WatchGuard. After careful evaluation of all the selected products, they purchased One (1) CR 300i Appliance and deployed it in the college network in Gateway Mode.

After deploying Cyberoam in the network, the benefits that they notice are:

### Disciplined Web and Application usage

Cyberoam's web filtering database has more than 100 million websites neatly grouped into more than 89 categories. The Identity based security approach helps Mr. Thomas to bind User identity with a Web Filter policy. This in turn, enables him to have granular control and unparalleled flexibility in implementing the college's policy of content accessed over the Internet. Moreover, the feature is coupled with Bandwidth Management feature, which ensures bandwidth availability and data transfer limit based on duration and schedule of access for specific web categories.

Cyberoam delivers comprehensive control and visibility over more than 2,000 applications. It controls unauthorized application usage while supporting business-critical applications. Cyberoam Firewall blocks games and tunneling software that result in Malware entry. In addition, it blocks anomalous traffic through its extensive and constantly updated database of IPS signatures.

Mr. Thomas says, "Cyberoam's Web and Application filtering policies help us to prevent unauthorized web surfing, uploads/downloads and undesired application usage."

## User Accountability Concerns Addressed

Cyberoam's Layer 8 Technology allows Mr. Thomas to design identity-based policies, which extends throughout the network, irrespective of the device used by the students to connect to the network. Cyberoam UTM offers identity-based AAA (Authentication, Authorization, and Audit) allowing control and visibility of who is connected to your network, using what device and what they are accessing. The Web and Application filtering policies can be schedule based and you can configure the amount of data transfer and bandwidth allocated per user. "Thanks to Cyberoam, we now have complete accountability of all our network user's online activities", said Mr. Thomas.

### Virus Free Network

Cyberoam's Check Mark certified Gateway Anti-Virus is tightly integrated with IPS, Web Filtering and Anti-Spam modules, securing organizations against blended attacks and maintaining high levels of security. With the Virus detection rate of 99.5%, it ensures that no Malware or Spyware passes through the network edge. Additionally, it blocks upload/download or attachments for specified file types such as executables, media files, PDF, zipped files etc. ensuring data leakage prevention of confidential information.

### Fair use of Network Bandwidth

Cyberoam's Bandwidth Management feature gives Mr. Thomas flexibility to configure User, Web Categories, Applications and Application Categories based bandwidth usage policies. This ensures optimal usage of Internet bandwidth across the college network. Mr. Thomas says, "The best thing about Cyberoam's Bandwidth Management feature is that it helps us in exact estimation of the college's bandwidth requirements, which saves a lot of time and money."

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### To Conclude

Expressing his satisfaction, Mr. Thomas said, "Cyberoam is worth every penny we invested behind it. It has solved almost all our network security problems".

#### Toll Free Numbers

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