

CASE STUDY

ACHARYA INSTITUTE



About Acharya

The Acharya institute was established under J.M.J. educational society 30 years ago. It is Bangalore's largest composite academic facility, with over 12,000 students. The institute's vision is to provide value-based education in all disciplines, envisioning itself as a fountainhead of human enterprise setting themselves as a new benchmark in the world of education.

www.acharya.ac.in

Acharya with Ray

Acharya with many students and a wide expanse as their institute's campus required a far & wide reach of the internet without compromising on security of teachers and students alike. They are using Ray Vega as their indoor Access Point and Canopus as their outdoor Access Point along with the advanced features of Ray that aid in superior internet experience.

Requirements

- › The Acharya Institute needed internet coverage across 100+ acres of the college campus in a mix of Indoor and Outdoor locations.
- › The Acharya Institute needed to differentiate the internet for the teaching staff, students, and guests of the campus.
- › The Acharya Institute has to allow secure access to guest lecturers and visiting faculty teaching in the campus for a limited time.
- › The Acharya Institute has to allow secure access for Guest (parents) etc. visiting the campus.
- › Above all, security and privacy of the network had to be promised.





Solution

- › Ray provided cloud-managed Indoor Wireless Access Point – Vega.
- › Ray provided cloud-managed Outdoor Wireless Access Point – Canopus.
- › Ray provided the Enterprise bundle with all Enterprise features, which consists of Captive Portal and Enterprise policies.
- › Ray created 3 groups: Teachers, Students and Guests with different policies to enable differentiated internet experience.
- › Ray created a Guest SSID with Voucher Captive Portal for the guests in the campus.
- › Ray enabled IP Log Management to comply with Indian cyber-security laws.

Key Takeaways

- › Ray Canopus Outdoor Wi-Fi access point provides coverage till the college park, walking areas, jogging tracks, and sports field too.
- › Ray Vega Indoor Wi-Fi access point provides coverage in all indoor places like the classes, laboratories, hostels, etc.
- › The student's and teacher's first-time login are verified against the student database. The consequent login is done via the device's MAC address, without the hassle of remembering credentials to login.
- › Ray's Content Policy applied to filter objectionable (inappropriate) content. E.g.: P2P, Porn, criminal sites, etc.
- › The speed and quota policies for customized internet experience of different groups. Like the Student group's quota was set to 1 GB and 4 MBPS per day, while the Teachers' group wasn't assigned any speed or quota policy.
- › The visiting Faculty could join the network post the BYOD approved by the IT admin.
- › The voucher-based Captive Portal provides internet to the guest for a limited period of 12 hours with maximum of 2 devices per voucher.
- › Ray's embedded security protects the network by filtering Malware, Ransomware and Spam.



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