# Creating a Next–Gen Wireless Campus

Cisco convergence access solution provides Jamia Hamdard with seamless secure connectivity for knowledge transfer across campus

## EXECUTIVE SUMMARY

- CUSTOMER NAME: Jamia Hamdard University
- INDUSTRY: Education
- LOCATION: New Delhi, India

### BUSINESS CHALLENGE

- Provide campus wide wireless to students to collaborate and improve their learning experience in campus.
- Enable students to use their personal devices for coursework
- Equip campus with state-of-the-art smart buildings, laboratory facilities, data centers, and more

### NETWORK SOLUTION

- Cisco converge access solution which provide a secure wireless connectivity across the campus and enabled knowledge transfer through mobile, smart, portable devices coming onto university network.
- A seamless, simple, and secure solution, built using a high-performance, highly intelligent network.

### BUSINESS RESULTS

- Robust and everywhere campus Wi-Fi we that helps connect students 24*7
- Best in class security and workflow features
- Good bandwidth and redundancy to manage traffic at the Data Center Level

## Business Challenge

Jamia Hamdard University wanted to provide its students with wireless internet access across its entire campus so as to facilitate knowledge transfer collaboratively and improve the learning experience in campus. Reliability, scalability, security were the major considerations while evaluating a solution. Being a nonprofit university, long-term investment protection was very important.

Given that student demographics are rapidly changing, the university had to scale to meet student expectations for a global quality education — one not bound by the physical campus and not constrained by traditional class formats such as on-site lectures. Students at Jamia expected to be able to use their personal devices for their coursework, and wanted a future- ready campus equipped with state-of-the-art smart buildings, laboratory facilities, data centers, and more.

## Network Solution

At the time of engagement the university was running predominantly wired only network without any central management or security framework. Students were able to access the network only on wired ports from specific locations inside university or on wireless at one or two specific locations. The University wanted to provide campus wide wireless to its students to better collaborate and improve their learning experience & outcomes in campus. Reliability, scalability, security were the major considerations while evaluating vendor response.

Cisco converge access solution enabled Jamia Hamdard University to provide a seamless, simple, and secure solution, built using a high-performance, highly intelligent network. The solutions was cost-effective, well-planned, network-based and helped to create a 21st-century connected learning environment. The collaborative educational model removed traditional barriers of the classroom and the campus, and allowed for stronger, more flexible

"Collaboration with Cisco and implementation of the Wi-Fi Network solution has given us the opportunity to have secure, high uptime Network. Cisco's solution is cost effective and Cisco's Support Services are setting new benchmarks so that we are able to maintain our uptime to meet Student demands. Overall a WOW experience."

— Irfan A Rather, Sr.Consultant IT, Jamia Hamdard University

connections among students, professors, researchers, administrators, and other stakeholders. From students being able to access recorded lectures at the touch of a finger to professors being able to control equipment in their lecture halls or labs from remote locations, new ways of working are changing the face of higher education at Jamia.

Jamia Hamdard had done comprehensive assessment of various OEM's however Cisco's gross advantage was in its converged Solution, single Solution Organization in Wired and Wi-Fi, Proactive Support and its presence in the geography. Besides Cisco solution is workable and dependable. Cisco Technical Solution design Team is also knowledgeable to provide appropriate inputs time to time.



## Business Results

• A fully networked campus - The Cisco Solution ahs helped design next generation connected education platform which will help to provide online learning to students and teachers using secure Wi-Fi. Students and teachers can collaborate more while being always connected. The implementation aligns with Jamia's vision of smart education that is seamless and collaborative. The robust and everywhere campus Wi-Fi we enables  24*7connectivity and . Cisco provides best in class security and workflow features as a part of overall solution.

• A learning environment that is environment friendly  and helps reduce cost of travel for faculty that are located outside the Univeristy . Using intelligent networks as the foundation knowledge transfer is possible across  mobile, online and social platforms besides video.

• The solutions allows students and faculty  to experience what's possible when you realize the true potential of the Internet of Everything and connect people, processes, data and things.

According to Irfan A Rather, Sr.Consultant IT, Jamia Hamdard, "Collaboration with Cisco and implementation of the Wi-Fi Network solution has given us the opportunity to have secure, high uptime Network. Cisco's solution is cost effective and  Cisco's Support Services are setting new benchmarks so that we are able to maintain our uptime to meet Student demands. Overall a WOW! experience."

## For More Information

To find out more about the Cisco wireless solutions for campus, go to:
http://www.cisco.com/go/education/mobility_for_higher_education.html

To find out more about Jamia Hamdard University  go to: http://jamiahamdard.ac.in/