



# Transforming teaching through the intelligent use of technology

## Why connecting students helps create out-of-the box thinkers

Vidya Mandir Society's educational institutions pride themselves on ensuring that their students are able to keep abreast of technological advancements and global trends. They needed a secure and reliable solution that would help their students embrace the hyperconnected, digital world.

## How infrastructure enabled digital classrooms

Vidya Mandir Society's educational institutions seized the opportunity to create an environment that nurtures learning and teaching. Through refreshing their network, they're able to give their students and teachers access to digital tools, while ensuring that their network is secure.

## What digital classrooms means for education

Digital networks mean more than just providing access to the internet; they create a more immersive environment for students. The connected classrooms free up teachers to focus on their core mission of preparing students for the future.



Lead Us From Darkness To Light

**'We want to reverse the traditional learning environment by delivering mostly online instructional content, outside the walls of a classroom.'**

Brigadier V.N. Chaturvedi, Secretary General, Vidya Mandir Society

Challenge

**Why connecting students helps create out-of-the box thinkers**

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Ensuring students are well equipped for the future takes more than rote learning course material. It means giving them the tools and skills needed to not only survive in today's digital world, but to thrive in it.

Vidya Mandir Society's educational institutions' consist of Birla High School, Birla High School-Junior Section, Sushila Birla Girls' School, and Birla High School (Mukundapur). Their ambitious goals of a more immersive environment were being challenged by legacy digital infrastructure. They had no visibility over their network, and it was not secure – anyone could access it. This posed a risk to critical data, like student marks and attendance records.

Vidya Mandir Society needed a solution that would cover the 1,171 sq m of school buildings, guaranteeing that students, teachers, and staff had access to their network. The network needed to be secure, robust, and reliable as it not only supports staff with their day-to-day operational tasks but is an important tool in teaching. Teachers use digital tools in their classrooms to teach, deliver course work, and grade assignments or tests.

Solution

**How infrastructure enabled digital classrooms**

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Flipping the rote learning system around and implementing a smarter classroom for their students meant upgrading their network. As part of their network upgrade and refresh, they rolled out LAN and wireless network solutions. High-end access points were installed in classrooms, enabling a digital learning environment.

The new network now has firewalls and security solutions that restrict access – users outside of the school are no longer able to access the Wi-Fi. The added network security ensures that critical student data is safe. Underpinning the new network is a state-of-the-art digital infrastructure that is supervised through a managed service. All maintenance, upgrades, and infrastructure refresh cycles are taken care of.

They now have a single view of their digital infrastructure, giving them the visibility that they needed. Everything is centrally managed, decreasing the amount of time spent on network uptime.

Outcome

**What digital classrooms means for education**

**Digital networks mean more than just providing access to the internet; it creates a more immersive environment for students. Vidya Mandir Society's network refresh helps them give their students the tools needed to embrace an increasingly digital world.**

Providing a secure network for their students helped them create digital classrooms. These connected classrooms offer a richer, more immersive learning environment. Teachers have instant access to the online tools and resources needed to equip their students with the skills to help them succeed in today's world.

Using the latest digital tools, teachers are able to grade tests and assignments faster. They spend less time doing manual admin tasks – all of which free up more valuable time for teaching. This more personalized approach to learning ensures their students are set up to succeed and embrace their digital futures.



**Which technologies?**

- Cisco - access points, security solutions, SD-Access, DNA
- Fortinet - firewall, security solutions
- Dell
- Snyder – racking solutions

**Which services?**

- Managed Services: wireless & LAN
- Consulting Services
- Cybersecurity

**Which partners?**

- Cisco
- Fortinet
- Dell
- Snyder