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# ACOUSTICS AUDIOVISUAL SECURITY TELECOMMUNICATION

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# Will Your Network Support The Internet Of Things? And Why Should It?

#### The Internet of things (IoT)

A network of physical devices that includes tools, toys, vehicles, appliances, people or anything you can imagine that are embedded with sensors, detectors, actuators, that have electronics, software and network connectivity which enable these objects to collect and exchange data.

#### Research firm Gartner predicts that 20.8 billion connected things will be in use in 2020.

In the past few decades, we have seen a revolution in technology comparable in magnitude to the transition from the middle ages to the modern world.

However, the most profound technological evolution may have only just begun; the convergence of the virtual and physical worlds into the *Internet of Things*.



### The Internet of Things (IOT) is having a profound effect on the world as we know it. The education sector is transforming the learning environment, introducing new pedagogies that promote both collaborative and personalized learning in a safe and efficient manner.

Students, educators and administrators will collaborate more closely and derive more insight from data as the IOT continues to make inroads into the education sector.

## 6 Ways The Internet of Things is Transforming the Education Sector

- 1 Global networking among students & educators
- Enhancement of textbooks
- 3 Easier data collection and analysis
- 4 Greater collaboration in group projects
- 5 Greater safety for campuses
- 6 More efficient school management

#### THE CONSULTANT'S ROLL

The key to supporting the IOT is to have a robust and future proof network that can support not only current requirements, but the requirements imposed by the ever-increasing amount of network connected devices. This can be accomplished by starting with the network infrastructure, designing pathways, IT spaces and connectivity to the service providers that will promote growth. This is done by determining conduit sizes, cable tray requirements, equipment racks and IT room sizes and adding a growth factor. The same is true for the cooling requirements which are coordinated with the HVAC team.

Special thanks to Beas Dev Ralhan

