

EMERGING TECHNOLOGIES IN LIBRARIES & INFORMATION CENTERS

LISC-01403
(Foundation –IV)



VPN

- A VPN, or Virtual Private Network, allows you to create a secure connection to another network over the Internet. VPNs can be used to access region-restricted websites, shield your browsing activity from prying eyes on public Wi-Fi, and more.
- In very simple terms, a VPN connects your PC, smartphone, or tablet to another computer (called a server) somewhere on the internet, and allows you to browse the internet using that computer's internet connection. So if that server is in a different country, it will appear as if you are coming from that country, and you can potentially access things that you couldn't normally.

-
-
- When you connect your computer (or another device, such as a smartphone or tablet) to a VPN, the computer acts as if it's on the same local network as the VPN. All your network traffic is sent over a secure connection to the VPN. Because your computer behaves as if it's on the network, this allows you to securely access local network resources even when you're on the other side of the world. You'll also be able to use the Internet as if you were present at the VPN's location, which has some benefits if you're using public Wi-Fi or want to access geo-blocked websites (Hoffman, 2019).
 - (Hoffman, C. (2019). What Is a VPN, and Why Would I Need One? Retrieved March 20, 2020)

Wireless Technology

- Wireless technology provides the ability to communicate between two or more entities over distances without the use of wires or cables of any sort. This includes communications using radio frequency (RF) as well as infrared (IR) waves.
- Wireless technology has always been preceded by wired technology and is usually more expensive, but it has provided the additional advantage of mobility, allowing the user to receive and transmit information while on the move.

(Wireless Technology ." Computer Sciences. Retrieved March 27, 2020 from Encyclopedia.com: <https://www.encyclopedia.com/computing/news-wires-white-papers-and-books/wireless-technology>)

Benefits of Wireless Networking in Libraries

- Wireless networking help users to access digital information without connecting physically, and system administrators can set up or extend networks without installing wires.
- Wireless networking can be used to access the library network ,library resources and internet without plug in by wires and cables.
- A Library wireless network provide access to multiple computers, databases, the internet and library OPAC through the library or outside the library

-
-
- It provides faster access to information for library users, resulting in better service and improve user satisfaction.
 - Sharing of files multimedia resources and database are easier.
 - Improved database access.
 - Wireless networking permit quick connectivity to the network.
 - Virtual tour to library.
 - (Thakur & Verma. (2017). wireless networking and Library [PowerPoint slides]. Retrieved from https://www.slideshare.net/sanjaythakur57/wireless-networking-and-library?from_action=save)