**Department of Information Systems and Cyber Security University of Texas in San Antonio**



IS 3413: Telecom and Networking-001, Fall, 2022

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Lab Assignment: Lab: M08 – LAN/WLAN Architecture  
Date Due: 10/22/2022  
Date Submitted: 10/22/2022

Section A, Question 1:

Costs: It is recommended that LAN be installed as it is cheaper. The costs of the things being installed was around $275

Performance: The performance be based on the number of systems connected to the network. With 1 Gbps of speeds, it can handle multiple systems with gaming, streaming and watching HD videos.

Convivence: The efficiency is that it is a single building with cheaper costs with high performance. It is quite easy to set up, connecting the ethernet ports and connect through the internet

Equipment: The equipment would be switch hubs and a router for wireless access with the extension of maximum performance speeds with hubs. With gaming consoles, laser printers, and computers that can use the wireless of system.

Security: WPA and WPA-2 are recommended for security. To set up a password to connect to the internet wirelessly.