Ardales, Ronnel C.   **BSIT 4-2A**

Activity 2 IT 18   (30 pts)

1. Explain why network systems is important to organization?

Network systems are critical for organizations because they enable smooth communication, data exchange, and collaboration among personnel. They facilitate resource sharing, centralized data administration, and automation, resulting in increased efficiency and security. These systems enable remote work, client interaction, and scalability while providing the data required for informed decision-making. Essentially, network systems provide the underpinning that enables modern enterprises to operate effectively in a connected environment.

2. What is the difference between Lan, Man, Wan? Give Example or Scenario.

A LAN is a small-scale network that covers a single building or location, linking devices like computers, printers, and servers within that area. Example: A home network where laptops, smartphones, and printers are interconnected for easy file sharing and internet access.

MAN (Metropolitan Area Network): A MAN is a medium-scale network that spans a city or a campus, connecting multiple LANs. Example: A university campus with separate LANs in various departments, interconnected through a MAN to allow students and staff to access shared resources.

A WAN is a large-scale network that stretches across cities, countries, or continents, linking multiple LANs and MANs. Example: A global corporation with branch offices in different countries connected via a WAN to enable seamless communication and data sharing between locations.

3. Choose Three Uses of Network and Explain?

Communication: Computer networks enable seamless information exchange, spanning email, messaging, voice/video calls, and collaboration tools. Real-time interaction transcends distances, aiding remote work and enhancing decision-making. In global enterprises, networks facilitate virtual meetings for efficient cross-border communication, uniting teams and strategies across locations.

Accessing Resources: Computer networks enable sharing files, data, and devices. They offer centralized storage for collaboration and remote access, benefiting education and business by enhancing efficiency and flexibility.

Data Sharing and File Transfer: Computer networks enable efficient sharing of data and files, essential for collaborative environments where users access shared resources. Files are stored on shared servers, accessible to authorized users globally. This is crucial in business, where teams collaborate, share documents, and maintain up-to-date information. For instance, a marketing team can use a network to collaboratively create a presentation, with remote members contributing simultaneously.