Computer Networks Fundamentals



Asst. Pro. Dr. Mazin S. Al-Hakeem



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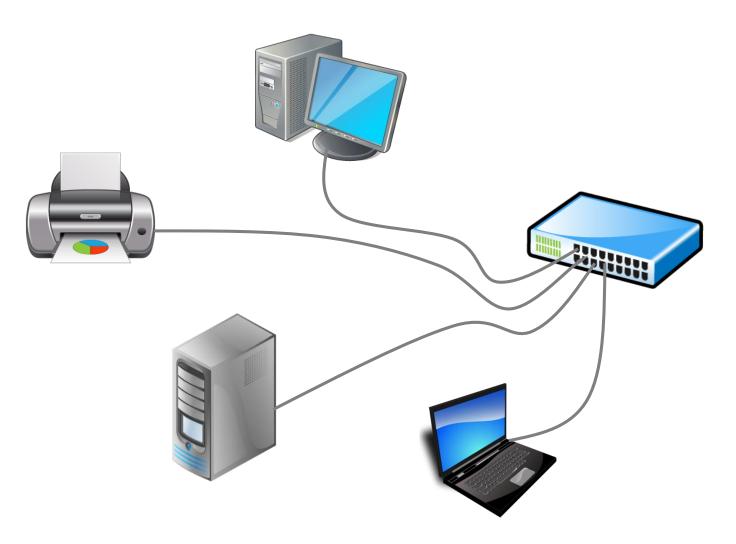


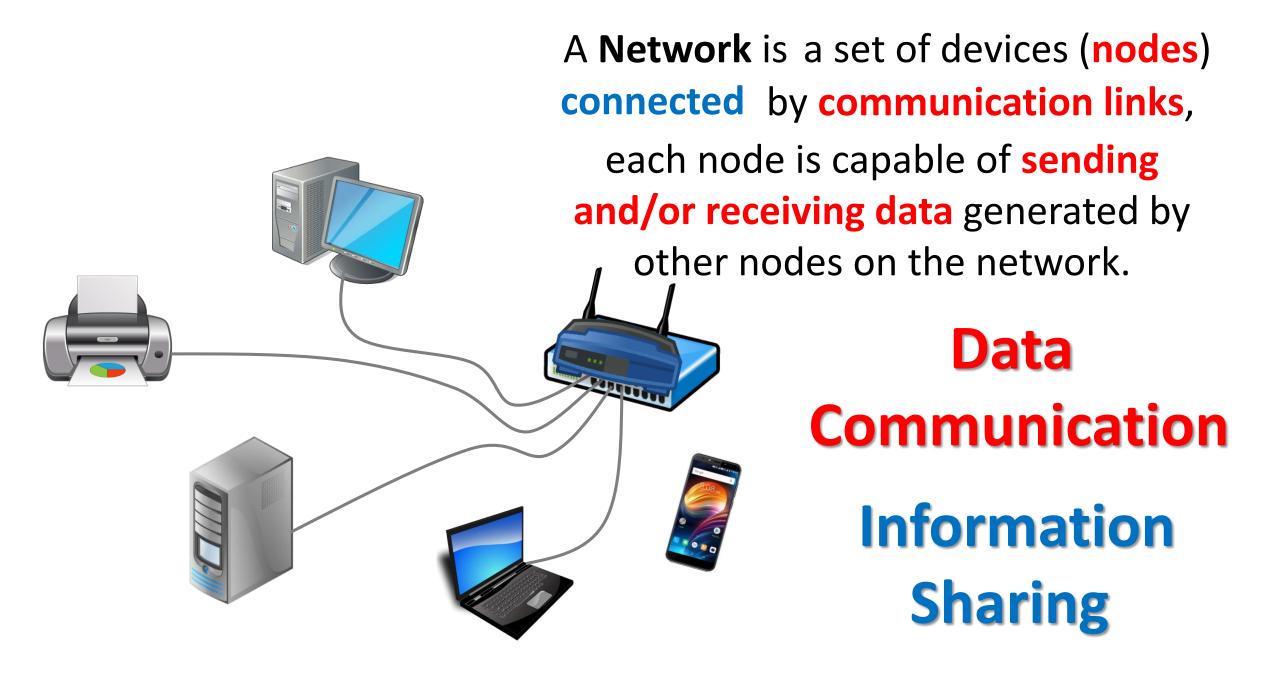
Chapter One Introduction to Networking

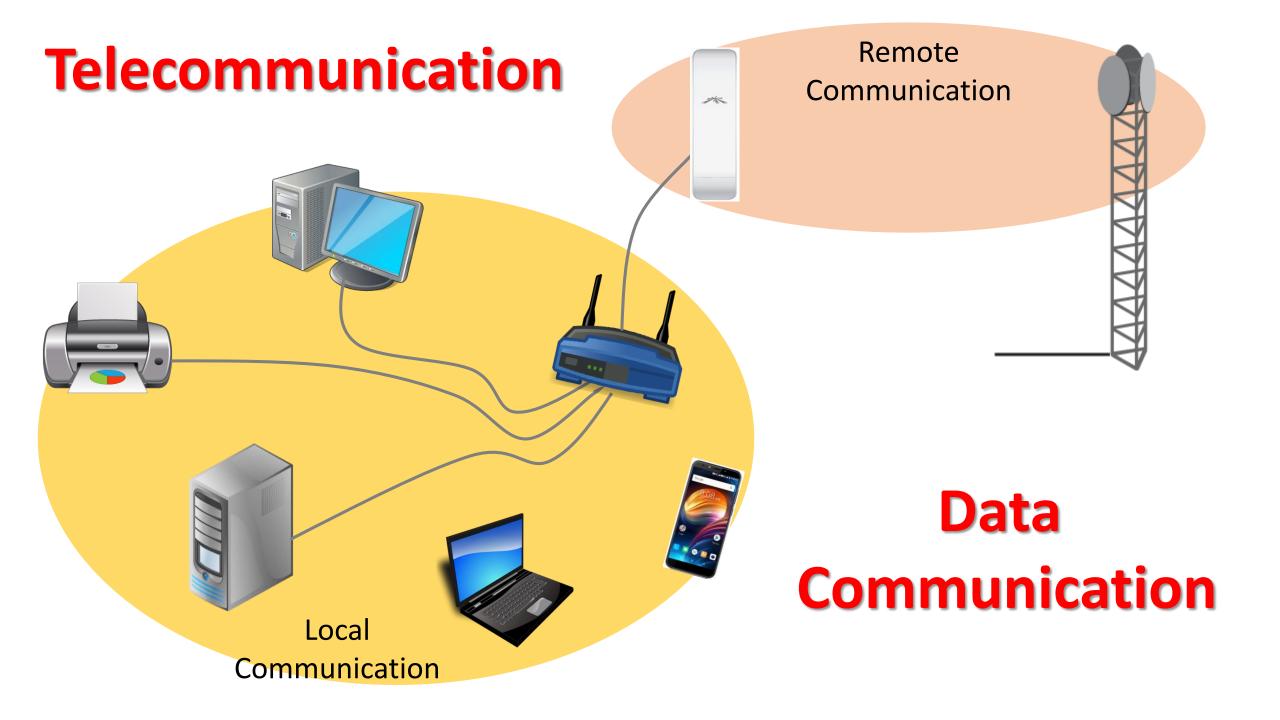
Lecture 1

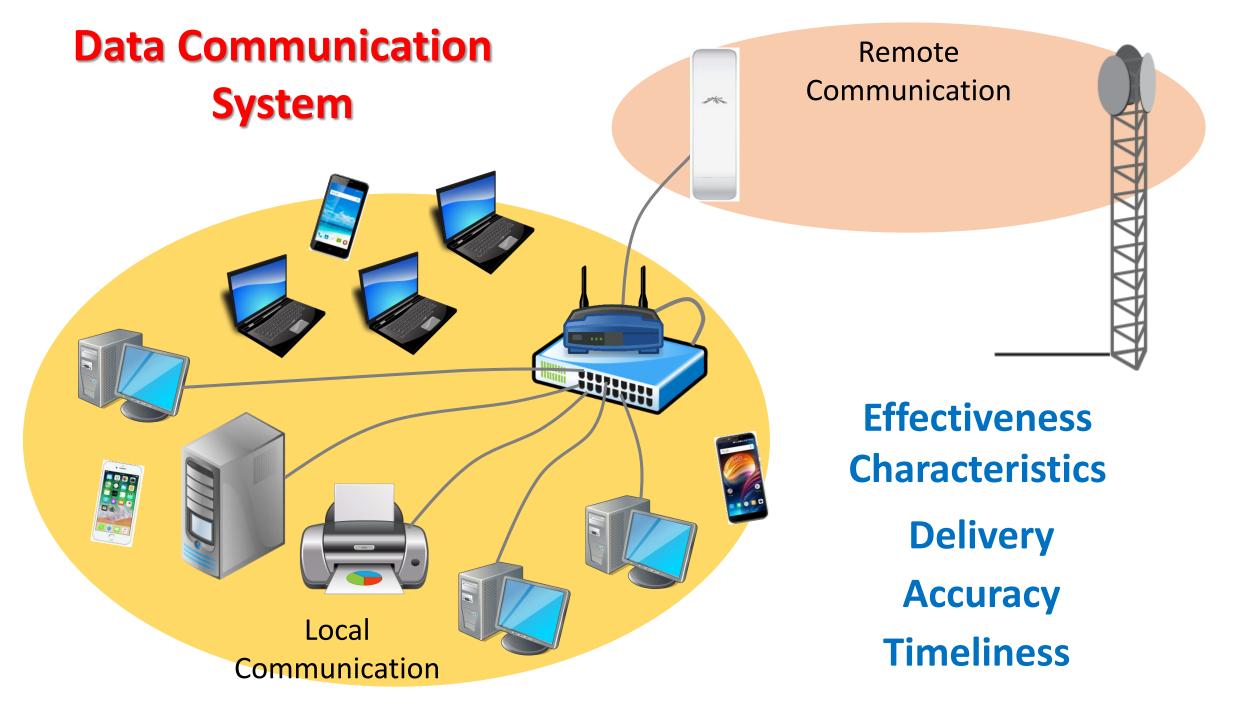
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A **Network** is a set of devices (**nodes**) connected by communication links,



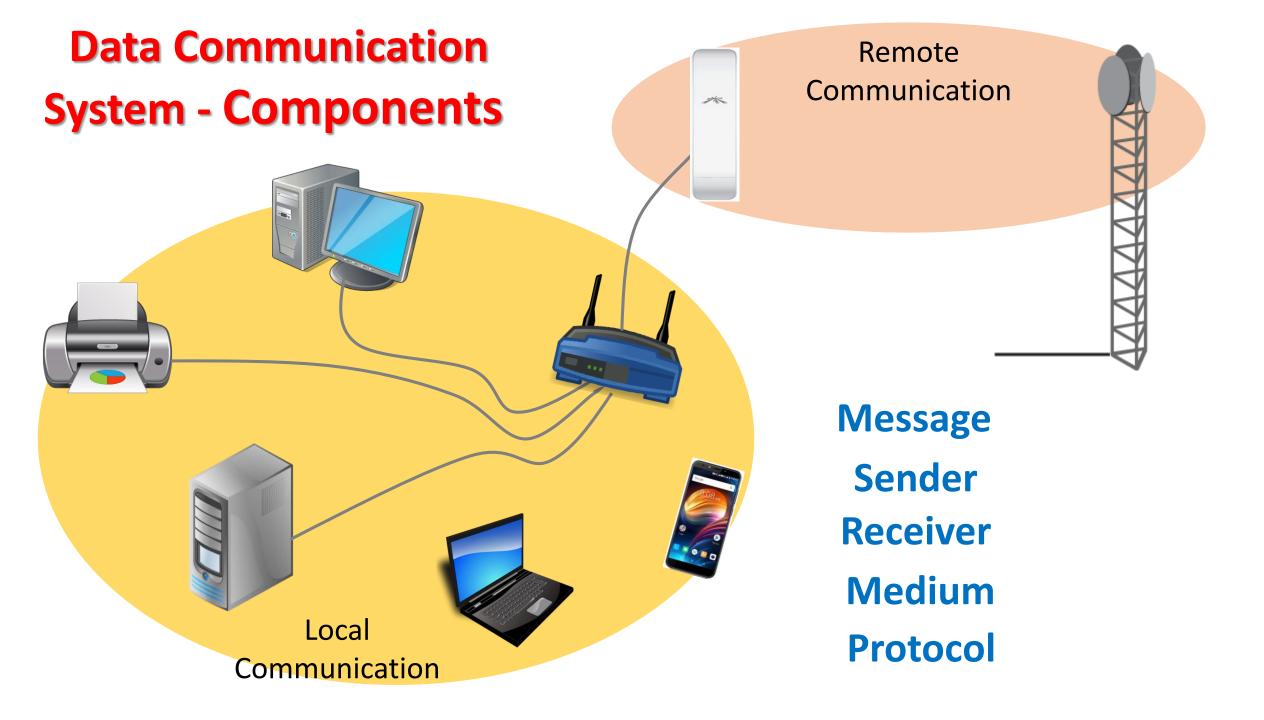


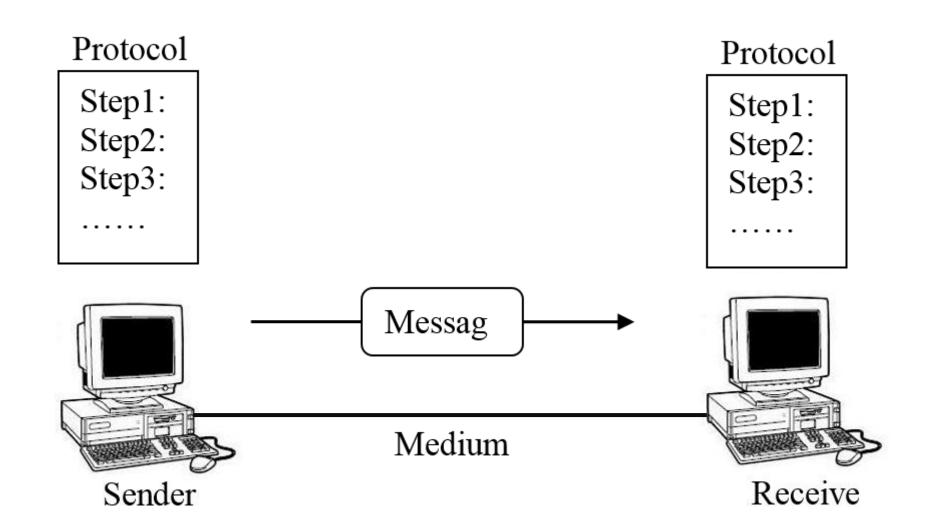




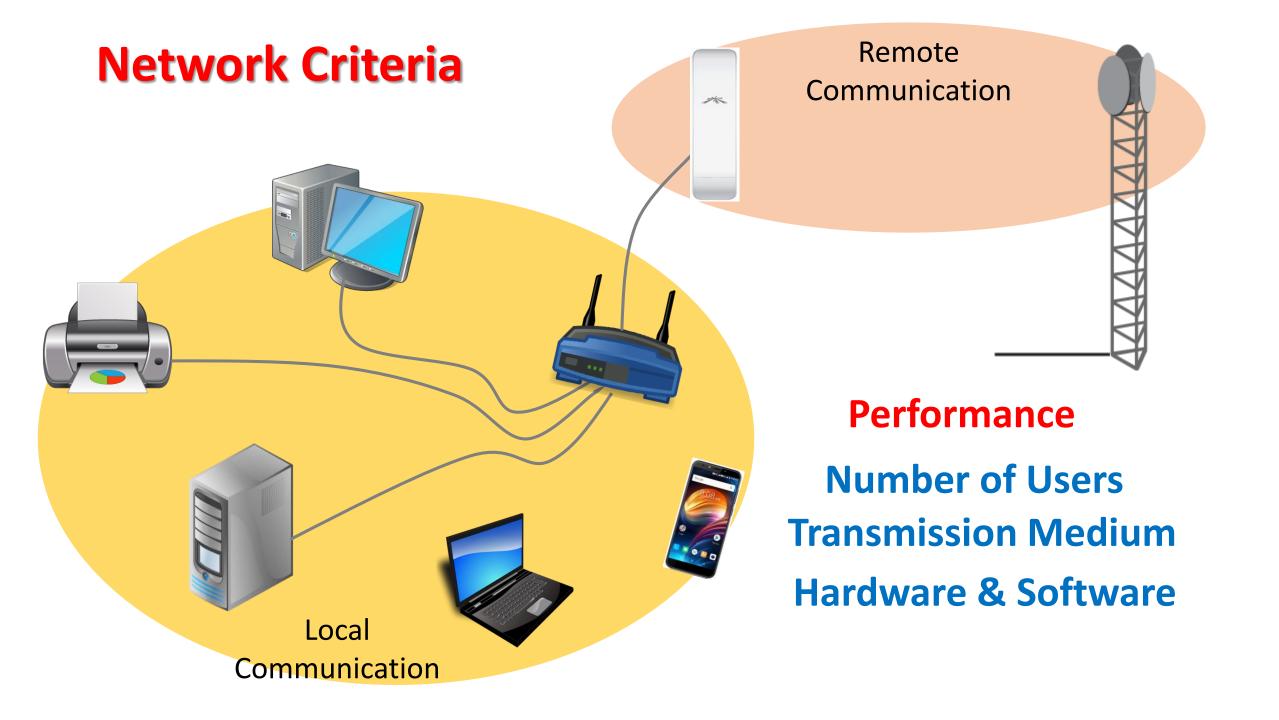


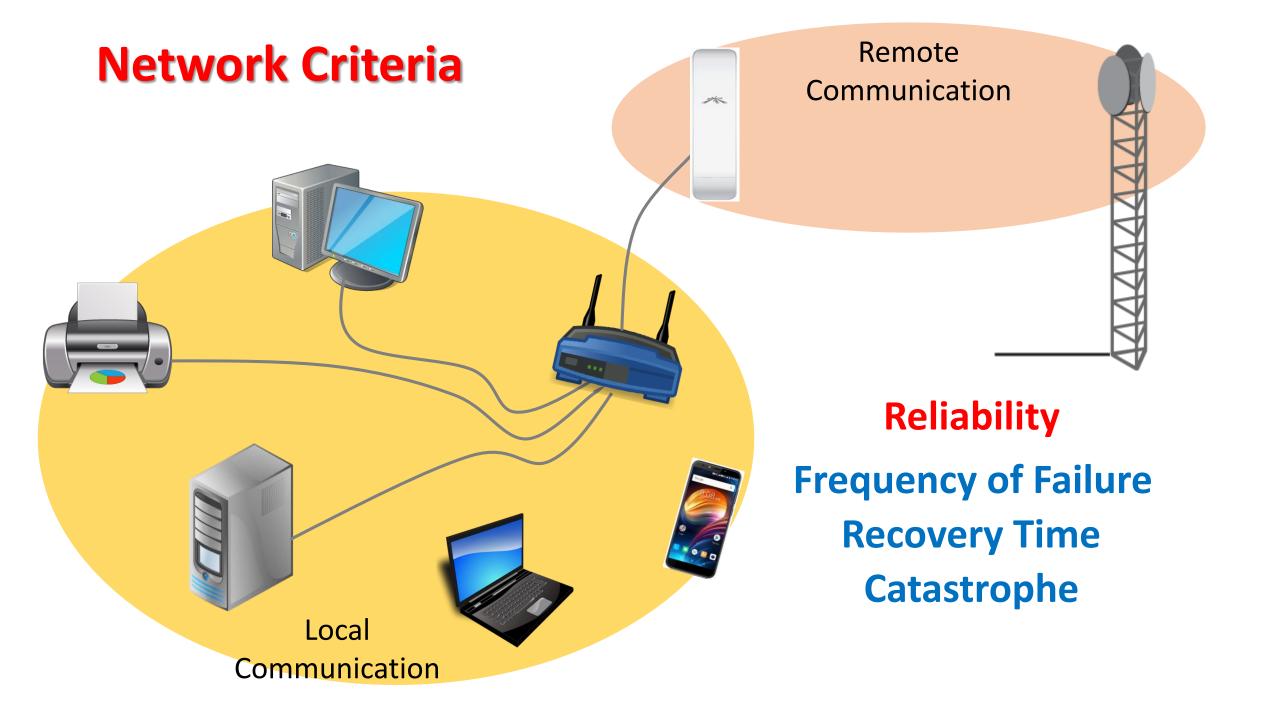


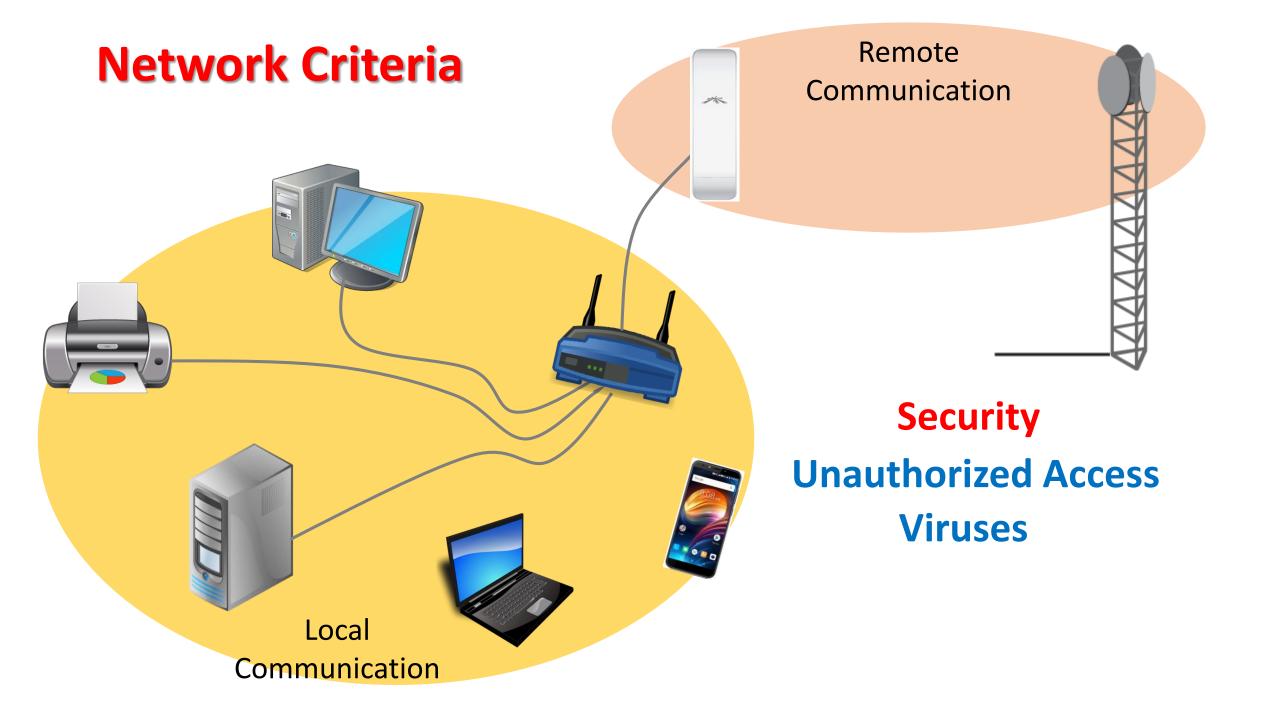




Components of a Data Communication System







Network Criteria

Performance

- Number of Users
- •Type of Transmission Medium
- Hardware & Software

Reliability

- •Frequency of Failure
- •Recovery Time
- Catastrophe

Security

- Unauthorized Access
- Viruses













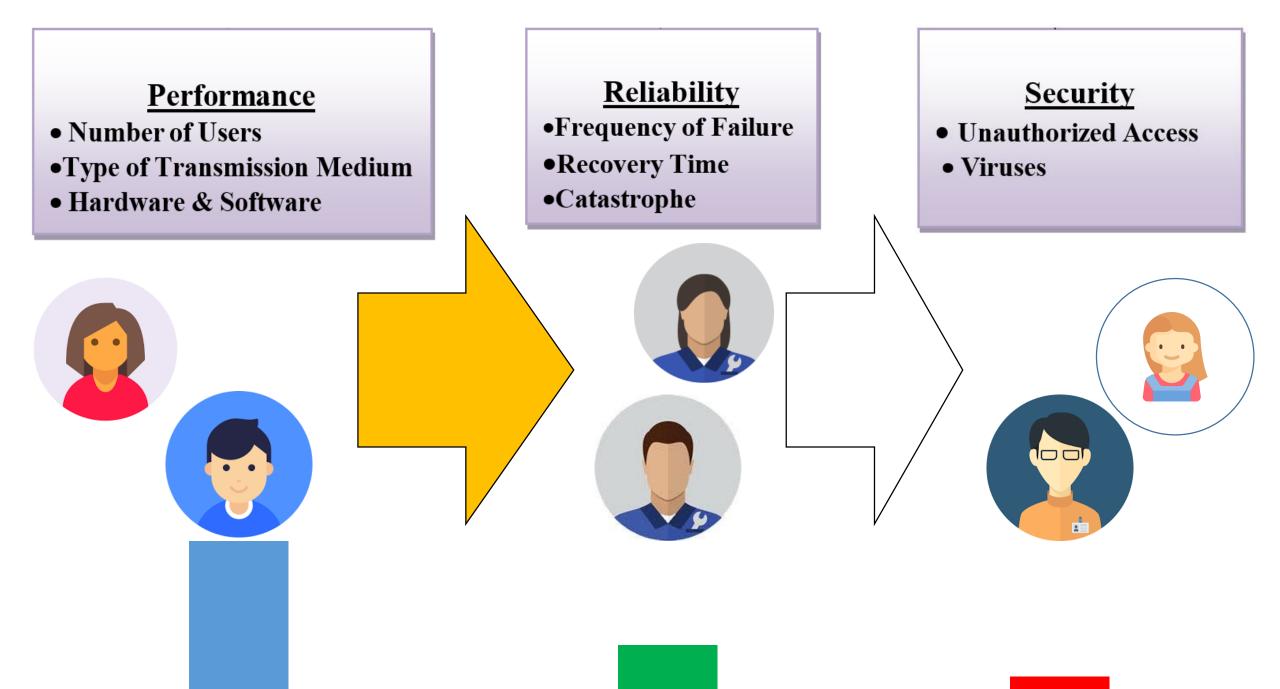














Computer Networks Fundamentals Chapter One Introduction to Networking



Lecture 1

- **□** Network
- **□** Data Communication
- **□** Data Communication System
- ☐ The Effectiveness Characteristics
- **□** Data Communication Components
- **□** Network Criteria





Any Question?

Thank You