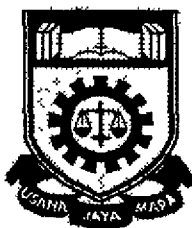


RING NETWORK MODEL

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Abstract

Communication between computers are not impossible today because the improvement of the today's technology. Rapid development of information technology has improved the way people communicate among each other. Users are allowed to share software, data and other form of information among themselves. This project discusses the network communication using Ring Network protocol. There are three common types of communication network topologies⁸: Ring, star, and bus network. In this project, three computers are connected together in a form of Ring Network. This project also describes the implementation of a ring network using three personal computers equipped with C compiler. One of the three computers acts as a server while the other will serve as a client.

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CHAPTER 1

INTRODUCTION.

Communications between computers are not impossible nowadays because technology changes all the time and people are always trying to make their life easier. By using the Internet people around the world can communicate among each other at the convenience of their own home.

Commonly there are four common types of network topologies⁸ which are very widely use in this world. The ring, bus, star and mesh are the four types of network. Chapter 2 will discuss the performance, all of the three network model. The illustration of each network is shown in this chapter to give more understanding about those network. The concept of network is that computers are connected with each other and capable to communicate among themselves.

Network communication is not only for sending and receiving messages but also for transferring file, software, and data. All computers are linked together according to their requirements. The transmission media is required to transmit an electrical signal between two pieces of equipment. Even though only the twisted pair cable is used in this project, all other type of transmission medium will be discuss in brief for comparison and knowledge. The type of transmission medium is important because it determines the maximum rate in terms of binary digits per second that data can be