STAR NETWORK MODEL
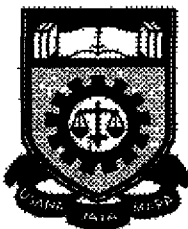
Thesis presented in partial fulfilment for the award of the
Bachelor of Electrical Engineering (Hons) of
MARA INSTITUTE OF TECHNOLOGY

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JULY 1997

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Acknowledgment

In the name of Allah s.w.t, the Most Gracious, Ever Merciful, who has given me the strength and ability to complete this project and report.

I would like to express my deepest gratitude to my supervisor, **En. Kamal Zuhairi Zamli** for his guidance, ideas and patience in advising and assisting my project. Also, thank you to all my good friends for their advice, encouragement and moral support. Your contribution will not forgotten.

Last but not least to my **dearest family, mak, ayah, along, ita and tina** that understand and have confidence in me, who give me strength and support along this project.

Thank you to all and may Allah bless your good deeds.

Abstract

Nowadays information are significant for every activities. Doctors need to up-date reports on medical discovery, lawyers want historic facts on previous cases, teachers need latest information on current subject teaches in school and so on. Computers are the essential devices for those people to communicate through the world or to each other. Network allow many users to share a common pathway and communicate with each other.

The main objective of this paper is to described the implementation of star network environment via RS-232. 3 personal computers with installed C compiler are connected using RS-232 cable to form a star network. One of which will act as a server and the other 2 will act as clients. The client server software development is also described.

CHAPTER 1.0

1.1   Introduction.

Networking has been around for more than 25 years but it was usually only available for corporation and large institutions. In order to meet the needs of these application, network are available with different interconnection layouts and plans, method of access and protocol.

The fundamental requirement in all application that involve two or more computers is the provision of a suitable data communication facility. In practice, however a wide range of different types of communication facility may be utilized, each intended for a specific application domain. For example, if the requirement is simply to transfer a file of data from one computer to another similar computer in the same room or office then the communication facility will be much simpler than if data is to be transferred between different computers at different sites.

1.2   Network Goals

Many organizations already have a substantial number of computers, often located far apart. For example, a company with many factories may have a computer at each location to keep track of inventories, monitor productivity and do the local payroll. Initially, each of these computers may have worked in isolation from the others, but at some point, management may have decided to connect them to be able to extract and correlate information about the entire company.