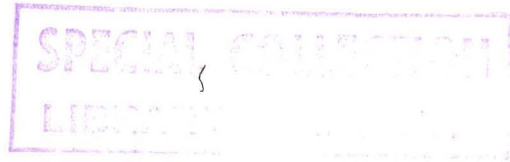


National University Of Science and Technology

Faculty of Applied Sciences

Department of Computer Science



Protocol Analyser and File Transfer System

by

**Tapiwa S. Jongwe
(Reg. No. N920818X)**

**Supervisor
Mr Mungo Carstairs**

02/07/01 **SC 385**

This dissertation is submitted in partial fulfilment of the requirements for the Bachelor Of Sciences Honours Degree

Bulawayo

November 1995



NUST Library

ABSTRACT

The main idea behind this project is to design a program that will monitor (analyse) the communication between two PCs (slave PCs). This is done from a third PC(master PC) and an appropriate cable has to be made to make the communication between the three PCs possible.

The layout among the three PCs is as in Fig 1 and the configuration of the cable is as in Fig 2.

The two slave PCs (PC1 and PC2) communicate through their communications port 2 (COM2) and whatever PC1 sends to PC2 the master PC (PC3) also receives through its COM1 and writes it to a file. Anything send from PC2 to PC1 is also received by PC3 through its COM2 and also written to the same file but under a different label in the file to be able to differentiate between the two ports.

Some characters are unprintable and the analysing part manifests itself by being able to have a visible representation of these characters and the relationship between them from both PC1 and PC2.