ABSTRACT

Telephone exchange is the important part of communication system. Communication will be annoyed if telephone exchange has trouble, because telephone exchange is central of connection. Telephone exchange depended on power was given because telephone exchange because telephone exchange is very sensitive with level of voltage and current, so voltage and current in telephone exchange must be monitored continuously. To facilitate, power monitoring is done with computer. it is for increase effective of human work.

In implementation, monitoring system as divided becoming 2 parts that is part of hardware and part of software. Part of hardware is the circuit electronic used to detect the change of voltage and current then deliver to PC server to be kept. Part of software is driver arranging interface hardware and PC server. Interface between hardware and PC server use network module so data can be delivered through computer network.

In this final project will be done design and implementation of power monitoring system for telephone exchange using network module and AVR microcontroller. Power monitoring consists of level voltage and current kept in database of PC server. It can be used as power history of telephone exchange. With data exist in database of PC server, data can be accessed to use facility of web browsing.