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# SCHOOL OF ENGINEERING

## FINAL REPORT

## HOUSEHOLD ELECTRICAL SYSTEM CONTROL THROUGH INTERNET


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**JANUARY – AUGUST 2005**

# ABSTRACT

Internet world provides a convenient medium for people to communicate. Therefore, a system to control the household electrical instruments through internet is presented. The aim of this study is to design and construct a system for user to monitor home situation, control household electrical instruments from long distance (overseas) and even communicate with people through Internet. This system is implemented by connecting two PC (Server PC and Client PC) via Internet TCP/IP protocol to communicate with the program written in Visual Basic 6.0. Users should be able to control the web-cam image capture, monitoring house security alarm and control household appliances such as main power, fan, television and rice cooker at the end of the study. A low cost internet controlled household electrical instruments system was designed, implemented and tested to demonstrate the performance of the system.