SCHOOL OF ENGINEERING

ENGINEERING FINAL REPORT

DESIGN OF AN ANTI-THEFT SECURITY SYSTEM

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Abstract

This is the final report for the project entitled "***Design of an Anti-Theft Security System***". This system is able to secure an area and will notify the home/office personnel whereabouts the area of intrusion is. Is it based on motion detectors and sensors, CCTV cameras, computer interfacing, electronic lock and an alarm system. This system is also capable of auto-dialing a number whenever a break in occurs.

A computer is used as a monitoring tool. Microcontrollers are used to send signals to the computer via the parallel communication port LPT 1 using RS 232 connectors and this enables the monitoring to done from another location. MPLAB is used to write, run and build the program for the microcontrolers and Microsoft Visual Basic 6.0 is chosen as the programming language and is the GUI (Graphical User Interface) for this system.