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Final Year Project
Poster Report

Low Cost Home Security System

Project code: LCT1-01

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Powered by:

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Overview: Until recently, cables have been essential to connect devices with each other. Without these, devices could not communicate. A typical home has computer and peripheral devices such as printers, scanner etc. All these need cables to be able to communicate with PC. The more devices that are added, the messier the cables get, as they get tangled. But, thanks to the development of Bluetooth technology, devices used to be connected by cables, now can be connected without.

Aim: By applying Bluetooth technology, our FYP aims to develop a low cost home security system which will be much more convenient and flexible than the traditional ones. Users can place the security eye wherever they like in their home without any cable attached to it. Also, by constructing a web-based application user interface, user can monitor their home anytime, anywhere, through the Internet.

Objective: To improve the performance and re-structure the system that was constructed by the previous FYP group LCT-00.

- Improve the system structure from 2 PC solution (PC master – PC slave) to 1 PC solution (PC master – MCU slave).
- Improve the system baud rate from 19200bps to 57600bps
Fig 2 Block diagram of whole system
Result

- Client User Interface on browser

- HCI command for Bluetooth™ Master EBDK