HIGHER TECHNICAL INSTITUTE
PROJECT NO.
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HIGHER TECHNICAL INSTITUTE

ELECTRICAL ENGINEERING DEPARTMENT

DIPLOMA PROJECT

HOME AUTOMATION

(PC CONTROL OF AN IRRIGATION SYSTERM AT HOME)

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Summary of Project
Home Automation with Irrigation as a case.
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This projects looks more into controlling of an irrigation process using the PC parallel port.

This will be achieved by,

a) building a card to be interfaced with the parallel port, and
b) Writing software to control it.

The card should be able to control relays that would be used to control valves of the irrigation system

All this are made possible using a computer.
More and more computers are becoming useful in our homes. This project looks at some of the uses we can have with our computers at home.

The project looks into a personal computer and a method used to connect an external electronic device through its parallel port. It allows the use of old PC's at home that we are thinking of disposing off since it does not demand a lot from the computer.

It is a simple but very useful project that allows the control of an irrigation system or a set of appliances at home.

This idea have been conceived having in mind the rapid improvement in the types of PCs. Very soon almost every home will have an old computer lying idle. "its like having a genius brains and have nothing to do" This project will bring all brains to work at home therefore increasing the efficiency at home.

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