FACULTY OF ENGINEERING AND INFORMATION TECHNOLOGY

SCHOOL OF ENGINEERING

FINAL REPORT

FINALYEAR ENGINEERING PROJECT 2002

Project Title	: WATER LEVEL SENSOR DESIGN.
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ABSTRACT.

The Water Level Sensor Design is a project which is developed to be used and customized for water monitoring or water control system. Flexibility and minimum error during real time operation is given priority in the designing of this project. The project can be implemented in many areas such as food and beverage industries, marine, chemical, water treatment and many more. This system also can be used in hazardous manufacturing work floor for perimeter interruption and detection. The final product comprises of both the hardware and software knowledge and design.

The hardware consists of Peripheral Interface Controller (PIC), several sensor, bilateral switches and Optocouplers which is connected to a parallel communication port of a computer LPT1 via RS 232 connectors. Basically it takes sensor input from specified location to be processed and show the output via computer as defined by the developed software.

The software is programmed using Visual Basic 6.0 programming language. This software allows the user to interact as well as monitor the system operation while making necessary adjustment when needed. A part from that, the program also processes the input from the sensor (hardware) and sends the desired output to be monitored by the user.