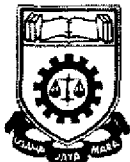


**ENHANCEMENT OF WATER LEVEL CONTROL SYSTEM
(HARDWARE DEVELOPMENT)**

Thesis is presented to fulfill the requirement
of Bachelor Engineering (Hons) Electrical of
MARA Institute of Technology



اينستيتوت تيكولوجي مارا

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ENHANCEMENT OF WATER LEVEL CONTROL SYSTEM

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ABSTRACT

The three major tasks of a process control system are to control, monitor and record. Computers are advantageous for the following reasons: they are able to centralize all the plant data, disseminate it wherever it is needed and provide control strategies at whatever levels are found necessary. Therefore, our project aims to make use of computer capability by then increasing efficiency and economy in process operation.

Our project title is so-called **Enhancement of Liquid/Water Level Control System**. This system is specially designed for controlling water level for a single tank for not only human controlled but also computer-controlled.

CHAPTER 1

INTRODUCTION

This project's target is for controlling water level for a single tanks which fully controlled by a computer. The basic types of control function of this system is proportional action as illustrated in Figure 1 which water level is controlled variable.

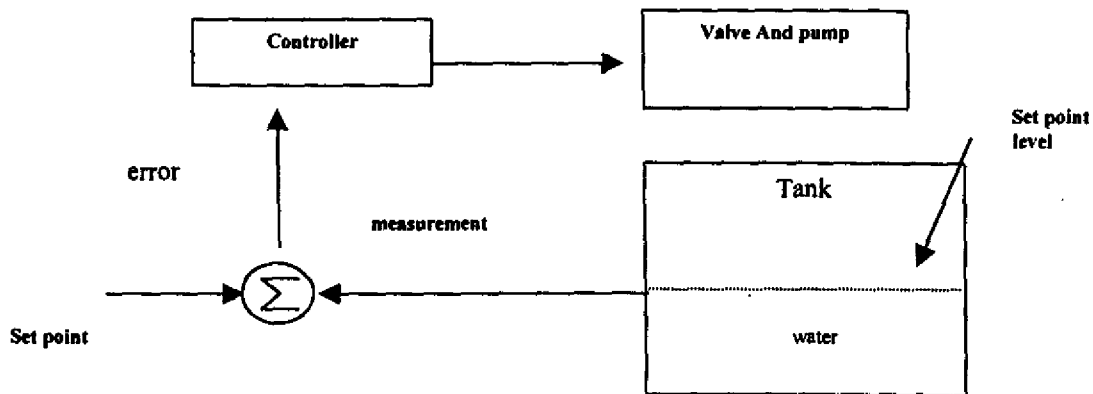


Figure 1

The main objective of the project is to

- Modify the existing system, which consist of Hardware and Software development to improve efficiency and system running under Real Time Process.

Human or computer can control this system. The block diagram of computer controlled is shown in figure 2.

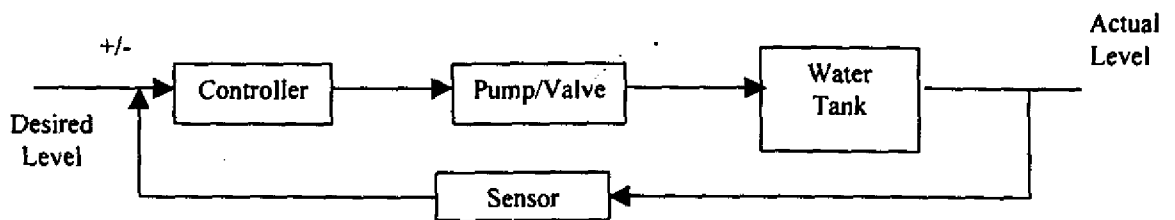


Figure 2