

# **THE MULTI-LEVEL CAR PARK SYSTEM**

**Thesis is presented in partial fulfillment for the award of the  
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## **ABSTRACT**

This paper is on designing of multi-level parking system by hardware and software methods. The project is intended to avoid congestion in parking area as a display “**FULL**” is placed at main entrance. So that drivers aware of the condition and don't have to waste their time searching for parking lot.

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# CHAPTER 1

## INTRODUCTION

### 1. PROJECT DESCRIPTION

#### 1.1 DEFINATION

The infrared (IR) counter is used to count the number of cars entering and leaving by passing through an IR beam. Every time a car interrupts the beam, the counter will be incremented by one. The counter output is then compared to the number of available parking lots (I assume to be 99). The output of the comparator circuit (number of cars  $\geq 99$ ) is connected to output display. The system functional block diagram is shown in **Figure 1.1**.

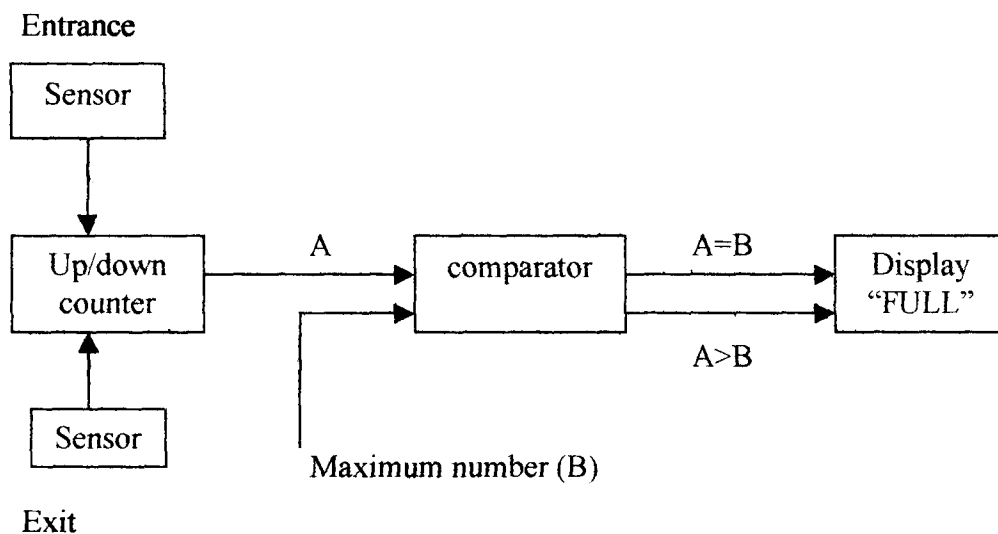


Figure 1.1: System functional diagram