AUTOMATIC VISITOR COUNTER

A Design Project
Presented to the faculty of the
Institute of Evening Opportunity Program
Ramon Magsaysay Technological University
Main Campus, Iba, Zambales

In Partial Fulfilment
Of the Requirements for the Degree of
Bachelor of Science in Computer Engineering

by

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Approval Sheet

Republic of the Philippines
RAMON MAGSAYSAY TECHNOLOGICAL UNIVERSITY
INSTITUTE OF EVENING OPPORTUNITY PROGRAMS
Iba, Zambales

A Design Project Presented to the Faculty of the Institute of Evening Opportunity Programs in partial fulfilment of the requirements of the Degree Bachelor of Science in Computer Engineering entitled:

AUTOMATIC VISITOR COUNTER

Has been prepared and submitted by **Jenefer Jane D. Correa, Rijean E. Ursua,** and **Edelyn Romanban**, who are hereby recommended for oral examination on March 2011.

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ABSTRACT

The development and evolution of computer technology affects every human way of living. Now a day's many Electronic machines, devices and gadgets that have been programmed are invented in order to make man's work easier, and faster. This project is the most common and interesting to start with. The application is the counting the number of persons entering in and exiting the room.

This design is used for counting the objects or persons entering and exiting the room, so we need some sensors to detect the objects and control unit which calculates the object. Counters with directional detection are useful for counting of objects moving along a predefined path. The researchers present a simple circuit that counts the number of persons or the objects entering the premises ignoring those exiting or leaving it. The counter section consists of two sensors. The movement of objects including the direction of their movement is detected by the arrangement of the sensors.

This project finds its place and places where the things wanted to done automatically with utilization of power and efficient and effective manner. These may find application as visitor counters and also for counting of objects in a given direction and ignoring those moving in the reverse direction. If the object or the person cut the sensor it counts the number with programming in microcontroller. The count displayed on the Seven Segment Display. The numbers of visitors counted manage on the devices in Pre-school.