MOTION SECURITY CAMERA

A Design Project
Presented to the
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Ramon Magsaysay Technological University
Iba, Zambales

In Partial Fulfillment
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by
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The study here to attached entitled

MOTION SECURITY CAMERA

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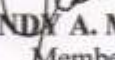
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ii

ABSTRACT

Home security risk has been a problem since prehistoric times. The danger for household break-ins is very real, no matter where you live. Even in schools and offices, repelling intruders and thieves are a big issue. And though "unlawful entry" may conjure up dramatic scenarios including crowbars and shattered glass, the most basic way on maintaining security at home is keeping an eye on our valuables and yards. Door locks, window locks and good landscaping gives additional security.

Technology plays a vital role in our daily life. It provides us comfort, leisure and lessens our work. The proponents ventured on using this man-made products as a tool for providing home and office security and assurance that our valuables are secured. With the aid of technology products such as sensors, cameras and cellular phones, the proponents is used to combined the ability and capabilities of these simple gadgets to build a complex one. This device is entitled to look after our homes and valuables in cases that the user is out.

This study presents the development of security camera for providing indoor security when the user is away and wants to secure their belongings. The system was integrated with microcontroller, motion sensor modules and SMS interface using assembly language. The camera will automatically turn on and captured video when motion sensors detect motion. As the technology improves, SMS has been widely used as medium of communication. The purpose of using SMS is to provide wide coverage at a minimal cost.

AC power is most common problem of this device is maintaining its backbone of this device. It depends in electricity, so sudden electric failure disables it. The user must always see to it that it is in good viewing areas, batteries and power supplies are available, memory storage is enough to capture and save a video recording, and the cellular phone has a maintaining airtime balance capable of sending a report message to the owner. Proper management of this equipment must be carried out in order for it to work in full capacity.

This device can be installed in our houses, offices or even school rooms. Unpredicted break-ins may occur randomly in any of this area at any hour of the day. The study has been successfully developed and, working at its best, when installed in these areas, will provide good security guarantee rather than putting a man on-guard 24 hours a day.