DESIGN AND IMPLEMENTATION OF AN ADVANCED SECURITY SYSTEM -INVISIBLE EYE (POWER SAVING SYSTEM)

ABSTRACT:

The main agenda of this work is to design and implement an advanced security with affordable and less complex system.In this modern era, property crimes are more predominant. This necessitates our need to develop an advanced security system which is the INVISIBLE EYE. It is basically a single camera based security system that can be used to protect valuables kept in a room of a house or property.

INTRODUCTION:

Invisible eye an advanced security system is mainly designed to use a single camera to perform the security. The reason for security is, the user of a system may have valuable belongings kept in his home, or a jeweler shop owner need security at night times for his property. The present technologies have many disadvantages like multiple camera's, more cost, power consumption, the owner has to always view the recording of the footage without any assurance of the theft. One can design the model using different sensors like motion sensor, vibration sensor, the motion sensor detects the motion of a human being in that particular area where a sensor is placed. Once the sensor, senses the motion or vibration it sends that information of motion to the Microcontroller. Here we are using stepper motor, wireless camera and also a PC (Personal Computer).Today's security systems are extremely effective in preventing burglary and thefts as well as helping police respond to emergency situations. The mainstay of the home security system is definitely the high decibel siren. Today the siren is used to ward off would be intruders not for monitoring purposes. In most cases home

security systems are monitored by large companies with multiple monitoring centers. These centers house countless trained professionals who are there in times of need for residences and businesses across the country. These monitoring centers also can provide support for other potential disasters such as carbon monoxide, fire, freezing pipes, and much more. Modern security systems use alarms, infrared motion sensors, digital surveillance and contemporary monitoring stations. Monitoring is extremely efficient and emergency response time for triggered alarms has improved dramatically due to technology.

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