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Invisible Eye - An Advance Security System

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Abstract: This necessitates our need to develop an advanced security system which is the 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 prope In this contemporary era, belongings crimes are extra most important. This necessitates our want to expand a complicated protection system which is the INVISIBLE EYE. It is largely a single digicam based totally security gadget that can be used to defend valuables kept in a room of a house or belongings[3,4]. Most existing digicam based protection structures involve the use of more than one cameras located around the room to be monitored. These cameras continuously file video footage of the room and store it on a relevant. Keywords: Camera, sensors, motor, keypad, motion detector.

I. INTRODUCTION

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. Most existing camera based security systems involve the use of multiple cameras placed around the room to be monitored. These cameras continuously record video footage of the room and save it on a central monitoring station. Instead of this, we may use a different system in which a single camera is used, that can slew around the room and record only when it is alerted by the presence of any intrusion. Such a system would consist of three components - sensors that detect intrusion; the camera that slews to the point of intrusion and takes pictures.

II. OBJECTIVE

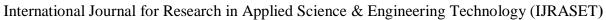
- A. To understand that Invisible eye an advanced security system is the safe in future.
- B. To analyse that Invisible eye is trustable or not in security.

We can use this objectives by checking through the survey analysis. we find the following hypothesis

1) Hypothesis1: If Invisible Eye technology use single camera then it will consume less power and cost will be reduced because present technologies are uses many cameras.

III. LITERATURE REVIEW

(1). Invisible eye security system solves many of the problems faced by the multiple camera based systems at an easily affordable cost. The biggest advantage was it that we could stop recording the hours of footage of the empty rooms. One can also avoid installing multiple cameras to cover a whole single room by Dr.AR.Aswatha et all.(2) Invisible Eye protection gadget solves some of the problems confronted by way of the more than one digital camera primarily based structures at an easily low priced fee The biggest advantage is that we would avoid having to wade through hours of photos of empty rooms. One also can avoid having to put in more than one cameras to cowl a empty room. Cost required for the setup is very much less in comparison to multiple camera based totally device by Dr.J sandeep Aanand et all.(3) To increase accuracy and efficiency of proposed work and by using machine learning generate result which will be used to help them. where we have retrieved the results and we are ready to guide them with their path and alert them based on obstacles detected in between walking path In this paper, we proposed a work that helps to blind peoples and could able to move and reliability by using the IOT by Chavan et all.(4) Invisible Eye security system solves many of the problems faced by the multiple camera based systems at an easily affordable cost The biggest advantage is that we could stop recording the hours of footage of the empty rooms. One could also avoid installing multiple camera to cover a whole single room. Cost required for the installation is very less compared to multiple camera based system. Good view of the video footage can be obtained as camera turns 360 degrees by D. A et all.(5)Eye tracking devices, also known as eye- or gaze track-ers are used to monitor eye movement. An eye trackeris usually used to determine a persons point of gaze In market research, for instance, awearable, video based eye tracking system could be used to uncover which product on which shelf is attracted by a test person by Wyder et all.(6)To enhance employee performance, many organizations are increasingly using electronic performance monitoring (EPM)





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The relationship between the frequency of EPM use and employee performance is examined in 2 field studies. In Study 1, which uses a unique longitudinal data set, results reveal that shorter time lags between 2 consecutive employee performance assessments are related to better task performance as indicated by call quality metrics by Bhave et all.(7) this security system PIR sensor has been used which was low power, and low cost, pretty rugged, have a wide lens range, and are easy to interface with. This security system can be implemented in places like home, office, shop etc by Sushree Sangita Dash et all.(8)Human gaze has a long history as a means for hands-free interaction with ubiquitous computing systems and has, more recently, also been shown to be a rich source of information about the user [13, 18, 36] by Tonsen et all.(9) It was a single camera based security system which is used to protect the valuables kept in room. This system could be used when slew around the room and recorded when it is alerted by the presence of any intrusion by Selvapriya et all.(10)there were 285 Million people who were visually impaired and out of those 39 million were blind and 246 Million were low blind [1]. With the advancement in the modern technologies, different types of devices are available for the mobility of visually impaired and blind. These devices known as Electronic Travel Aid (ETAs) by Saquib et all.(11)Manager could only view the footage which was alerted on the presence of intrusion. This type of system would lead to less time consuming and this will help to keep track of the intruder easily in less time consuming and this will help to keep track of the intruder easily in less time by C.Chandravathi et all.(12)There have been proposals and even some successful deployments (by official bodies) of various road safety and traffic control systems. Emerging technologies like the Internet of Things (IoT) and Image Processing have found effective uses for developing the same by Neel Patel et all.

IV. METHODOLOGY

We took an online survey with help of Google Form. The link of the form was circulated in social media platform. The questionnaires in the form were designed to test the proposed hypothesis and result.

A. Participants

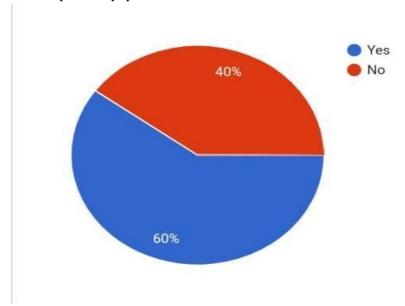
To test the proposed hypothesis, this study used two conditions i.e.

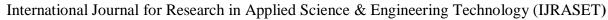
- 1) Invisible eye security system will secure or trustable for people.
- 2) Invisible eye security system will be add extra security for people.

Total of 35 participants data was collected from different city. All the 35 participants in which 65% male and 35% female.

B. Measures

Participants were asked to indicate their agreement on a two scale (1= YES, 0= NO). Male reply on the Invisible eye security system is the secure or not secure in the future?



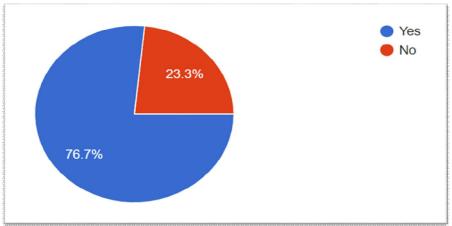




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Female reply on the Invisible eye security system is the secure or not secure in the future?



V. EXPERIMENT

- A. Calculated by Chi-Square test with two scales (YES/NO).
- B. After performing the chi-square test got x^2 tabulated=0.066 and x^2 calculated= 8.349 at the significant level of 95%.
- C. Here x^2 tabulated $< x^2$ calculated therefore we accept the hypothesis i.e. Students are interested to learn with blockchain security that will positively increase their number.

VI. RESULT

In this section, we first explain our experimental settings and next, we discuss the results of our simulations performed information propagation through survey analysis calculated using Chi-square test which is resulted in stating that the participants are trust about Invisible eye. The result also explains that there is vast difference between number of male before and after use of Invisible eye. Therefore, the hypothesis is accepted.

VII.CONCLUSION

To completely eliminate the use of the microcontroller and instead use the parallel port of the PC to monitor the sensors and control the sensors. We have lots of security system in the market for both indoor and outdoor applications such as ultrasonic detectors, photoelectric detector, infrared detectors. We can avoid hours of pictures of empty rooms. In Blind person stick we have implement in Hardware and software based concept. In IOT base hardware we could implement the different sensor for fetching data Using an eye tracker to localize the eye in space can potentially improve todays eye interventions.

VIII. ACKNOWLEDGEMENT

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