Intelligent door for security by Jarvis to Control Internet of Things in cctv in sensitive places

Boshra mubarak abdalla[1],Dr.G. Maria Priscilla [2]

[1]M.Sc Comp. Science,SRI RAMAKRISHNA COLLEGE OF ARTS & SCIENCE College Coimbatore, Tamil Nadu, (India)

[2]PROF & HEAD ,Department of computer science , SRI RAMAKRISHNA COLLEGE OF ARTS & SCIENCE College Coimbatore, Tamil Nadu, (India)

ABSTRACT

Here the Internet system discusses things and how to build systems with each other and attach them with human life in many systems. Advanced systems and technology development make human life more civilized here Discuss the protection system that can be acquired from Internet stuff and other protection systems by using a camera and sensor and Jarvis system and arduino . Camera is use to catch the live images of the area in which it is being implemented. Including A smart city, Government regulations like State Security, In large institutions and private business banking systems in homes also Here developing a new idea to support ,sensitive places on our life .By specific database that content the authorized users those who having permission to enter inside the private places ,Ex: In Banks Money safe there some of the employee having permission to enter inside this system it is for intelligent door content sensors and camera and Jarvis system and also can be for intelligent town and many others stuff

Keywords :JICSA (JARVIS,IOT,CCTV,SENSONS& ARDUINO)

I .INTRODUCTION

People around the world connect to the Internet to get information, to communicate with others, and to do business. But it is not only humans who use the Internet: there are other objects that you used too, and you may have heard of the so-called Internet of Things (IoT). Everyone is talking about him and he will change the world!Internet of things are becoming increasingly interesting among technology giants and business communities, and you may wonder: What is Internet things or what does it mean?This concept not only has the potential to influence how we live our lives, but also affects how we do our business .The Internet has started with a simple idea - connecting computers together to share data in different ways. Since that humble beginning, people have begun to connect more devices to the Internet. This is the basis of the term Internet Objects (IOT). The Internet of things contributes to expanding Internet access beyond Traditional devices such as desktop and laptop computers, smart phones and tablets to a wide network of everyday things that use the added technology to communicate and interact with the external environment, all through the Internet. Its the inter-physical

network of hardware ("connected devices" and "smart devices") that help these objects to collect and share data. In this system we use certain technological things that have a relationship with the Internet.Those elements with each other in order to connect to a strong protection system we can have seen many systems protection in our lives, but the person is still using personal identification settings Here we will talk about another protection system found in systems with a high degree of technology from modern cameras and sensors systems There is a lot of government organizations and private business. Many of the above, we realize that there are places in which organizations can not be enter by anyone who is unauthorized. Any of them, but some employees or authorized to enter into this system provides us with the technology to enter authorized persons Just them by Ben A database containing the number of persons authorized to enter these places and if the number of authorized persons to enter these places there are systems that identify the persons authorized to identify their personal identity by . A face recognition system is a computer application capable of identifying or verifying a person from a digital image. All of it will connected true interfaces and A protocols ,a protocols is simply a set of rules. In this case, the rules determine how communications between the two devices occur, and between the protocols used in Internet Objects (SOAP) and REST, as well as basic protocols such as HTTP and others protocols. Fig:1

FIGURE 1[2] : JARVIS AND IOT

II. DEVICES USED IN INTELLIGENT DOORS

Some of the devices used in intelligent doors is specified below

- **Intelligent camera**

  A Intelligent camera is a self-contained, standalone vision system with built-in image sensor capable of capturing still images , motion pictures and videos [5]

- **Intelligent Sensor :**

  Intelligent sensor takes some predefined action when it senses the appropriate input (light, heat, sound, motion, touch, etc.).[6]

- **Jarvis**

J.A.R.V.I.S. (Stands for Just A Rather Very Intelligent System), also stylized as JARVIS, or Jarvis, is a highly advanced computerized A.I. developed by Tony Stark, and was voiced by actor Paul Bettany, to manage almost everything, especially matters related to technology [7]

- **Arduino**

Arduino is an open-source platform used for building electronics projects. Arduino consists of both a physical programmable circuit board (often referred to as a microcontroller) and a piece of software, or IDE (Integrated Development Environment) that runs on your computer, used to write and upload computer code to the physical board [8].

- **SPEAKER**

Computer speakers are *speakers* external to a *computer. Speakers* contain amplifiers which vibrate to produce the sound. They come in many different forms.[9]

The "thing" in Internet objects can be any object that has the required computing power and Internet connectivity, the ability to collect and transmit data over a network without help or manual intervention, the embedded technology in things help them to interact with their internal state or external environment, Decisions you make.

www.shutterstock.com · 626847884

FIGURE2 [1] : PHONE

technology of the "IOT" it provides more new technical coming in our future .But the "JICS " system using things with things with itself to provide new and helpful technical ,intelligent cctv camera with intelligent door before entering many procedure will happen to personal identification. The system identifies people by creating a database of people who have the authority to enter all this will happen before entering inside the private place Before the eye eyelashes close the operation will be done

III. EXPECTED RESULTS

In figure [3] we see some electronic tools we have connected to each other to configure a different protection system from other systems such as "personal identification like card and others" and systems that contain "fingerprint scanner" and " eye print " by a database in this system contains the number of persons who have access to the area This system has been extricated by the system can be used in smart city ,smart home ,on banks ,government ,on private business. We see a security man enter the sensitive information room standing in front of the smart door you i called the smart door because it carries intelligent tools such as sensors "and smart surveillance cameras that is used to identify the person if the person is in the database Smart door will opens if the person is not in the database The must be used a person who has access to the system and is used in this "jarvis system" system which is programmed according to the required context
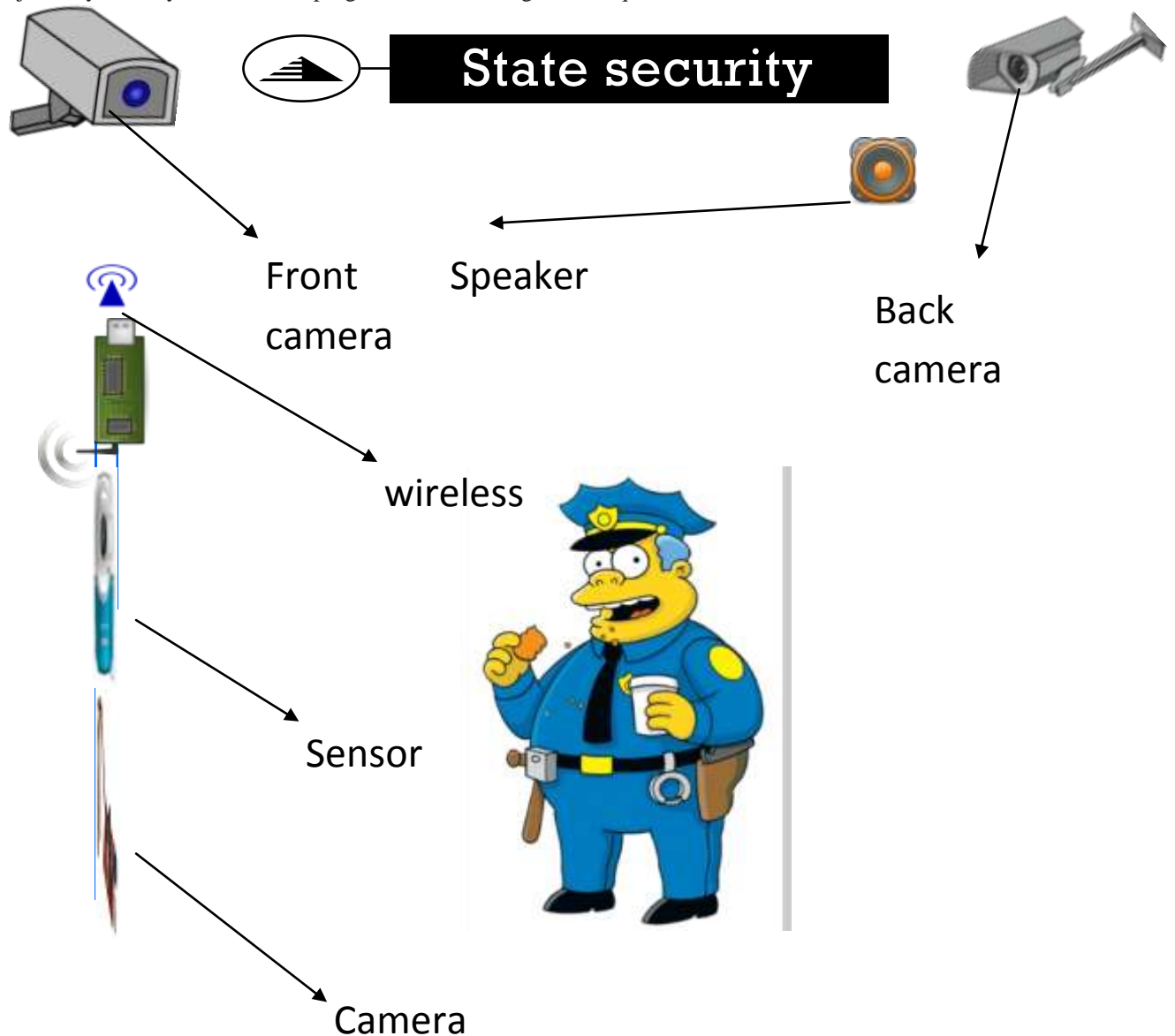

State security

Front camera

Speaker

Back camera

wireless

Sensor

Camera

FIGURE 3: INTELLIGENT DOOR

IV. CONCLUSION

This paper is loaded with a high protection system used in most sensitive areas, which are highly important, including cameras with high capacity, sensors, headphones and system.From this intelligent door the security concern in private places like banks, government offices, hospitals,business locations etc are made strong from unauthorized people to enter into the areas.

REFERENCES

[1] Bill Joy envisioned Device to Device (D2D) communication as part of his "Six Webs" framework, presented at the World Economic Forum at Davos in 1999

[2]Though Mark Zuckerberg made a New Year resolution to make simple AI run home devices,

[3]SLAYMAN EBN ,HAMD, et al. "An internet of things (IoT) architecture for embedded appliances

[4]Application on the mobile phone monitors the security of the house, car. Cloud technology provides the exchange of information between Thingswww.shutterstock.com

[5] https://en.wikipedia.org/wiki/Smart_camera

[6] https://www.techopedia.com/definition/31462/intelligent-sensor

[7] ironman.wikia.com/wiki/J.A.R.V.I.S.

[8] https://learn.sparkfun.com/tutorials/what-is-an-arduino

[9] https://en.wikipedia.org/wiki/Computer_speakers