Survey on Internet of Things the Smart Home Technology

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Abstract:- *Home technology started for more than a decade to introduce the concept of networking devices and equipment in the house. In Association the best definition of smart home technology is: the integration of technology, services through home networking for a better quality of living. It used devices connected to the IOT to automate and monitor in home systems. Tools are used in computer systems can also be integrated in Smart Home Systems.*
Keywords:- *Home networking, Internet of things(IOT),smart home.*

I. Introduction

Smart home technology is a device. It is connected by using internet to monitor in home system. It was developed by IBM and it is consumer between 1998 & 2000.It is used to monitor and control home devices such as light, fan,airconditioner and other current devices.It is very useful for aged people, physically challenged people.It is easily identified the strangers.In smart homes we are using different types of technology that is used for people to identify our home is secure.It saves our energy as well as electric. It is used to create smart cities.It is similar to smart home.It is more efficient to the cities and save money and energy.

II. Smart Home Technology

Smart Home is the term commonly reffered as home automation.It is used to control and manage the devices in home.It is completely based on sensors.It will control light,climate and other appliance.Alarm system is very useful in smart home systems.some smart devices will be used to connect another device.Generally,it will connected to the network such as Bluetooth,wifi,2G,3G,etc..

It consist of hardware and software to control the devices in home. It will monitor the systemfrom hacking.It has many advantages by using these technologies. Its very useful in present as well as in future

III. Figure

Smart Home Technologies

IV. Advantages Of Smart Home Technology

It has many security systems such as camera,sensors…it will send a link to the police station,hospital or some other places when emergency occur.
- ❖ It will control lights,doors,telephone& computers.
- ❖ By investing these technology it will increase the market value.
- ❖ It is more convenience,security,accessibility,efficiency&resale.

V. Smart Home Appliances

If an Physically Challenged Individuals has difficulty moving around effectively, they are often forced to depend on others for care. With the implementation of smart home appliances, such as an effective security system, those with physical challenges are often able to live on their own. A smart home security system allows the homeowner to remotely view visitors on a camera, and speak to them via microphone and speakers.

If the visitor is welcome, the security system unlocks and opens the door to allow the visitor access to the home. In home security systems can also learn which visitors are always allowed, and what areas they may have access to.

VI. Smart Home Technology Trends

Many smart home devices provide home automation technology, nowadays many tools that are used in computer systems can also be integrated in Smart Home Systems responsible for monitoring the status of the vehicle, and transmitting commands and data between the parking management subsystem and the control and positioning subsystem.

VII.   Conclusion

In modern technology it is safe and comfortable for everybody.It is more benefit for disabled persons it gives more safety for lots of families.It makes possible for the house to takecare and user friendly.In future these technologies used all over the world.

Reference

Journal papers:-

[1].   Molly Edmonds "How Smart Homes Work - Setting Up a Smart Home" http://home.howstuffworks.com/home-improvement/energy-efficiency/smart-home1.htm

[2].   VictoriaNicks(2009),"Smart Home Appliances", http://artificialintelligence.suite101.com/article.cfm/smart_home_appliances

Books:-

[3].   Li-Der Chou, Chun-Cheng Sheu and Home-Way Chen, (2007), "Design and Prototype Implementation of A Novel Automatic Vehicle Parking System", International Journal of Smart Home, Vol. 1, No. 1, January, 2007

[4].   Tatsuya Yamazaki, (2007), "The Ubiquitous Home", International Journal of Smart Home, Vol. 1, No