

REVIEW PAPER ON SMART HOME

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Abstract:-

Home automation have been used for more than a decade to introduce the concept of networking device or equipment in the house. Smart home can define as integration of technology and networking through which make better quality living. If simple plug and play tools for controlling lights are included or the computer network in houses are accounted for as smart home technology. Only recently, thousand of project and smart technology are used and working on it. in the india this concept is new but in the world the concept of smart home used. application are focused on safety and security, care and comport. In this presentation an overview will be give of the detail application in both new built houses and flat and renovation projects. Finally, based on expected product launches and technical developments at major international companies, a well as based on the feedback of older people currently living in smart homes ,some expectations or the for near future will be given.

INTRODUCTION:

Smart home concept base on the automation in which we can operate the house appliance(fan, television, bulb) with the help of mobile phone. It is automation of the home, housework and houses activity. Home automation may include centralized control of lighting, HVAC (heating ventilation and air conditioning), security locks of gates and door other system, to improve convenience comfort, energy efficiency and security. Home automation for the elderly and disabled can provide increase quality of life for person who might otherwise require caregiver or institutional care .

Body (device used):

Lighting: a lighting control system can used to switching light based on a time cycle, or arranged to automatically go out when a room is unoccupied. Some electronically controlled bulb can be controlled for brightness or color to provide different tasks and lighting can be controlled remotely by a wireless control or over the internet.

Ac and fan: air conditioning and fan can controlled by automatically controlled system and speed of fan and temperature of air conditioning (a.c) up and down by wireless remote or arranged cycle and time period for which fan or a.c starting and stopping. These appliance are connecting with internet so you can operate if you not present in the room or home.

Audio- visual: this category included audio and video switching and distribution. Multiple audio or video source can be selected and distribution to one or more rooms and can be linked with lighting and bling to provide mood setting. Inserted the display and camera surveillance for make video for security purpose and display is used to display total voltage used in each day .

System element:

Home automation included some on device:

- 1) Sensor to measure or detect thing like temperature, humidity, daylight and motion.
- 2) Interface is important contain which connect the machine to human being.
- 3) Buses such as communication that can be wired or wireless.
- 4) Actuators as motored valves, light switches and motors

Conclusion:

Its make life more comfortable and provide easy life style . Its provide security and comfort zone for human being. We can operate the home appliance with the help of networking.

Its gives us freedom to operate the home appliance outside the home. It save the electricity and human afford and save human energy. In future every home is smart home in every country.

Keyword: home, smart, device application, automation.

Reference:

google and wikipedia