Research on Smart Real Estate Using Internet of Things Technology
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Abstract: With the development of economy and the strengthening of market competition, real estate enterprises have to gain a place in the fierce market competition. The simple price war has no obvious advantage. The added value of real estate is quietly becoming the core of each developer's competition. This paper aims to explore the emergence and promotion of smart home and point out a new direction for the development of the real estate industry. It becomes a new development trend of real estate. What's more, the use of computer technology and Internet of Things has promoted the development of real estate industry in our country, it strengthened the core competitiveness of real estate enterprises, meanwhile it will further change the life way of residents and enhance the life quality of residents.

Introduction
China has developed and so far the city becomes the center of regional economic and social development, its status and role has been unprecedented improvement and attention. Along with the high development of economic society and China's real estate outbreak all the way, the development of China's property market is in unprecedented activity. However, when having experienced industry climax, the development of real estate is also facing many problems. With the rise of smart home, developers began to focus on improving the quality of life through the smart home. According to the different needs of the owners, along with the Internet of Things, cloud computing and other computer technology continues to develop. They achieve the goal that let "wisdom" serve people's lives by using industry-leading smart home equipment. And through the perfect combination of technology and humanity, bring the family comfort, wisdom, environmental protection, the ultimate intelligent home life experience.

Smart Home is the New Trend of Real Estate Development
Housing competition focuses on the transition from the price war to the additional value of real estate. Today's property market has crossed the stage of simple price war. Many developers began to focus on the additional value of real estate to enhance market competitiveness. The added value of real estate for developers can create a good brand image, and brand image will play a considerable supporting role in the promotion and sale of real estate. The combination of Smart home and real estate in recent years has become a focus of concern in the real estate market. Today with the growing development of real estate, smart home is also ushered in a new opportunity. Real estate and smart home business strongly cooperate to create a new opportunity for market development. Once in the real estate downturn, smart home is considered as the helping straw for building sales by real estate business. For the smart home industry which chooses the high-end line before, it can bring more practical benefits to be closer with the real estate developers. Smart home products and programs continuously emerging, the users of the smart home enhancing the degree of reception, as well as the real estate development trend of fine decoration etc, all this have laid a good foundation for the cooperation between real estate business and smart home business. In the cooperation between real estate business and smart home business, developers create beautiful sales performance through cooperation and further improve market share; and smart home of smart home
business also promotes its own brand by providing the consumer safety, fashion, comfort, convenience, healthy and happy life. The cooperation between real estate business and smart home business has achieved very good results, smart home becomes a new element and highlights sought by real estate and add vitality into the soft value development of real estate. Smart home business expands its own brand by cooperation with the real estate business, it is undoubtedly played a certain role in promoting the development of the entire smart home industry.

**Internet of Things Impact on the Development of Information Intelligent Real Estate**

Smart home, in fact, is a residential platform which uses network communications and artificial intelligence (AI) automatic control, integrates home-related facilities through audio and video, builds efficient residential facilities and family planning management system, improves home safety, convenience, comfort, artistic, and achieves environmental protection and energy saving living environment. It consists mainly of the following five system modules:

Intelligent lighting system: as the wisdom of the city's core subsystem, the interface of intelligent lighting system using the Internet ZigBee wireless technology to achieve a remote lighting switch, state feedback, intelligent linkage control, dimming, detection and other control functions. Thus establish a new model for the family lighting and commercial lighting applications, and also open up a new chapter for the city lighting "management of energy conservation".

![Intelligent lighting system with sensory sensing.](image1)

Intelligent security system: intelligent security alarm system is the home security system together with the family of various sensors, function keys, detectors and actuators constitute, it is the home security system "brain". The alarm system includes fire prevention, anti-theft, gas leak alarm and emergency assistance and other functions. The alarm system uses advanced intelligent control network technology, cloud server management control, and automatically alarms against bandits, theft, fire, gas, emergency and other accidents. Combined with the wireless cloud camera, you can do n a timely manner to view the danger to keep abreast of the details, shorten the risk of processing time to the minimum.

![The security of the sensor.](image2)

Intelligent environment detection system: the sensor network monitoring system is a computer network constituted by a comprehensive use of Internet of things network technology, database technology, communication technology, automatic control technology, new sensor technology. The main system monitoring object is the region's environment (Such as air CO2 concentration, formaldehyde concentration, PM2.5 content, wind speed, temperature and humidity, whether water leakage, smoke, video, access control, etc.), and on this basis and electrical control node linkage to
achieve automatic processing functions. For example, if the temperature is too high, the air conditioning will automatically open; if PM2.5 is too high, the air purifier will automatically begin to work, when reduces to a certain extent, it will stop automatically. This truly achieves the function of automatically adjusting home, work, and living environment to the most appropriate level.

Intelligent electrical control system: The electrical control system covers a wealth of home life, production areas controller (such as: TV, air conditioning, water heaters, air purifiers, electric kettles, electric fans, water valve, watering system, electric curtains, barrier, parking spaces, etc.), the software provides four functions: remote control, timing control, scene a key control, linkage control, etc. This achieves a convenient control and automated intelligent control, and plays a constructive role in remote monitoring, remote Manipulation, unattended control and other fields.

![Figure 3. Electrical control system circuit diagram.](image)

Intelligent health care system: The intelligent health care system covers the wireless cloud weight meter, wireless cloud sphygmomanometer, wireless emergency button, wearable equipment and other products, including the body parameter detection, physical warning reminder, data upload and statistics and other functions. It provides large data support for the future telemedicine, the national physical quality monitoring, and the structure of the prefect medical system.

Concluding

Through the development of technology, such as sensor, controller, mobile Internet and cloud computing technology, as well as the comprehensive advantages in the field of object perception, controlling and other areas, intelligent home solutions of the Internet of things have been widely used in a number of important projects in the world. This becomes an important technical supporting force in the building of a few wise cities around the world. At present, in response to the increasingly serious climate change and various geological disasters, the leading low-carbon wireless smart home is helping construction industry create the best social, economic and environmental benefits by using the green and environment friendly ways, and it has the far-reaching practical significance in maintaining mankind long-term development and security.

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References