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THE NEWEST ACHIEVEMENTS IN THE SMART HOME TECHNOLOGY AND ITS PROSPECTS

Smart Home tech has revolutionized modern life and made everyday jobs very simple and highly effective. A survey revealed in 2023 that nearly two-thirds of the people surveyed in the United States considered smart homes the best way to simplify daily struggles [1]. These systems offer homeowners remote control of everyday home functions through the Internet and mobile devices. This ensures the home's convenience, security, and energy efficiency factors.

A smart home unites various connected devices automatically and optimally carries out lighting, heating, security, and entertainment tasks. Many home appliances, such as Amazon Alexa, have inbuilt AI assistants. The appliances can not only help you with everyday chores if programmed correctly but can run autonomously as well. Smart locks, security cameras, and home monitoring systems help residents keep an eye on their homes, even from a distance. This increases the security of the home. Vivint is one of the companies offering sophisticated security features that protect the house from burglary and internal threats such as gas leaks and system failures.

Such technologies are bound to have an impact on the property industry. The homes with smart technology are getting more expensive yearly, but they are also selling faster. For example, in India, the Kutumb project by Naiknavare Developers is the country's first residential complex equipped with smart technology for the elderly [2]. It is created to enhance the comfort of the elderly, with smart technology making it easier for them to look after themselves, allowing them to live independently of their families. At the same time, the project preserves traditional Indian family values by creating an environment where the younger generation receives warmth and care from their grandparents, and the older generation enjoys the love and attention of their offspring.

Haier Smart Home is a leading company that constantly offers new innovations for Smart Homes. The company introduced revolutionary products at the Haier Smart Home Ecosystem 2023 conference [3]. For example, built-in refrigerators, dual-tower air conditioners, and the ‘Essence Wash’ washing machine are all designed to fit into everyday life naturally. The company has also developed ‘Casarte Lightyear TV’, the first TV that

protects the eyes and ensures healthy visual activity. In addition, Haier's 'Smart Home Brain' technology allows devices to adapt to users' needs: air conditioners regulate airflow, smart beds improve sleeping position, and virtual assistants efficiently manage home functions.

Advances in the IoT, AI, and cloud computing now allow smart devices to communicate with each other and learn from the behavior of the Smart Home resident. The leading Smart Home gadgets are voice assistants (Amazon Alexa, Google Home, Apple Home Pod), smart thermostats (Nest Learning Thermostat, Ecobee), security systems (Ring doorbells, Arlo cameras, SimpliSafe security systems), and smart lighting (Philips Hue, LIFX) [4]. The so-called Smart Home ecosystem is also developing in terms of health, with devices such as smart scales, fitness trackers, and air purifiers being created.

This is also an area for developing the so-called Smart Home eco-system. Devices created within it include smart scales, fitness trackers, and air purifiers. Smart Homes will be a major trend in 2025 because they are convenient, ensure everything is in place, safe, and energy efficient. Future developments, therefore, will revolve around devices becoming more and more compatible, deeper integration of AI, and better and more enhanced privacy and security measures. Samsung Smart-Things and Apple HomeKit control centers for Smart Homes are already leading, trying to move fast toward creating interconnected ecosystems [5].

Adoption of smart home technologies can be phased. It can start with small upgrades, e.g. smart lighting or smart thermostats. Prioritize them according to personal needs and ensure compatibility between different systems. Smart homes will continue improving the quality of life as technology marches forward. It will make life more efficient, safer, and personalized daily.

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