

Annotation

The thesis is designed to develop a system for urban smart home. Technological and operational issues are considered, the work program is developed in ESP 8266 microcontroller language. The main implementation of the designed system is confirmed by safety calculations and the project business plan.

The thesis consists of parts of theoretical, design, life safety and business project.

The theoretical part is devoted to the history of the development of smart homes with remote control and its features. This section describes the main types of smart home systems and the functions for which they are used.

In the design part, a detailed description of the main equipment of the remote control system of the house, located mainly outside the city and the principles of their operation.

The section on life safety provides ways to ensure and prevent fire safety in country houses. So we used a smart home system that can save people's lives.

In terms of the business plan, we examined the creation of a service company based on this project and analyzed it to improve the company's performance.