

## **Annotation**

Title: Development of fire detection system using artificial intelligence.

The thesis consists of an introduction, five chapters, a list of literature and an appendix.

In the introduction, the relevance of the chosen topic is substantiated, the goal and tasks of the study are set.

The first chapter is a section of analysis. In this chapter, we will look at how artificial intelligence works. In addition, we will consider the structure of the work of artificial intelligence.

In the second chapter, a recognition system is developed. This chapter describes the parameters, structure and architecture of the recognition system.

The third chapter is the head of implementation and testing. This section describes the implementation, testing, and software reporting process.

The fourth and fifth chapters describe sections on economics and life safety.

In conclusion, the main conclusions obtained as a result of the study are presented.

The total amount of work is 65 pages.