

## Annotation

In this diploma, an automated fire alarm system and a fire alert based on an Arduino Uno microcontroller using a GSM / GPRS module were developed. This system was based on existing systems on the market. In the course of the project, the system was assembled and the code for the microcontroller's work was written to it, in the C ++ programming language using the special application Arduino IDE. Calculations were made on life safety and economic efficiency for the development of this system.