

## **Annotation**

The aim of this work is to create a safe model with two-factor authentication access: a fingerprint scanner and an RFID card.

The emphasis in this work was on the circuitry part of the work. To implement the thesis, the Arduino board was used as a basic component. The fingerprint scanner and the RFID module are connected to the board to protect the safe. The interface software for this circuitry is implemented in the Delphi 10 Seattle environment.

The results of the thesis will be:

- introduction of a biometric scanner into the security system of the safe;
- implementation of the RFID module in the security system of the safe;
- software development for the implementation of access control.