

## **Annotation**

This work is dedicated to the design and protection of the database in the MS SQL Server Management Studio. The aim of this work is to design a database of card protection equipment and organization analysis and optimization of the equipment card.

Physical and logical database model was designed with ER diagrams. Analysis of card equipment was conducted essentially been defined, on the basis of the analysis were determined data types and the relationship. ER diagram was made using Erwin Data Modeler and was generated in MS SQL Server Management 13 Studio.

In MS SQL Server Management Studio have been implemented for the presentation of the ATM card and card POS terminal queries were performed to optimize the protection of works in the database.

The economic return on the project, taking into account for the implementation of cost 0.14 years.

Actions on health and safety in the operation of the database.