

Annotation

An essential aspect in business process management is the provision of data confidentiality. This keeps encryption techniques actual for database protection. In the diploma work presented, the peculiarities of the implementation of encryption by elliptical curves into the database were considered.

The economic part in this work presents calculations of the potential economic costs of the database design and encryption, as well as the cost of the user interface development.

The life safety part of the work identifies the optimal working conditions. Particularly, calculations of artificial lighting and air conditioning have been performed.