



DEVELOPMENT OF AN ENCRYPTION SYSTEM IN CLOUD DATA STORAGE



Subjects of research are mathematical models and methods of fast encryption of large messages.

In future, instead of the Vigenere cipher, I can take other ciphers that work in linear time, optimize the developed cipher for them and find better solution.

Figure 8 shows a prototype of developed website for storing big amounts of data to Google Drive. The website uses JWT (Json Web Token) for authentication, so that the website could be expanded into different servers to parallelize tasks and to optimize whole system.