

## **Annotation**

In accordance with the tasks set in the thesis project, a mobile application was developed based on machine learning technology for real-time face recognition and.

The purpose of the thesis project is to be able to use it in various areas of human activity, for example, to control access to an object.

In the final chapters of the diploma project, the issues of life safety were considered, including the analysis of the workplace and the microclimatic state of a potential employee of the security department using the completed version of the program, as well as the resolution of situations related to problems. In addition, the issues of the feasibility study of this application are considered, which is calculated from the amount of costs for the development of the project.