

Annotation

In the course of this thesis, a study was conducted on the methods of face recognition on the incoming stream of images coming from the camera, that is, in real time. The Viola-Jones method was adopted as the main method for face recognition and the theoretical justification of this method was carried out. The program and the library were selected, on the basis of which he created his own algorithm for identifying people in the image. Conducted a practical study of the system on the example of a base of 7 people. As a result of testing the program, the errors of the algorithm were identified and corrected. The program was implemented on the basis of Raspberry Pi. The calculations of the economic efficiency of the project and labor protection are given. In conclusion, the main results of the work and conclusions based on the results obtained are presented.