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## BIOMETRIC SECURITY SYSTEMS AND FACE RECOGNITION BASED ONLINE EXAM SYSTEM

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## **Abstract**

In this study, an identification application based on face recognition is developed to prevent students from substituting others in online exams. Principally user information consisting data's such as name, surname and face image is saved on database. During the exam the face image of the user is taken by webcam and compared by the saved image data. Students' entry to exam will be accepted or denied according to the comparison result. Face recognition system is used in this study because almost every PC have web cam, face recognition is one of the most reliable biometric systems and also it is easy to use. In this study, eigenfaces method is used for automatic face recognition and considerably high success is achieved.

Keywords: Biometric security systems, face recognition system, online exam system.