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Design and development of facial recognitionbased library management system (FRLMS) (Conference Paper)

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Abstract

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In this paper we propose a facial recognitionbased library management system namely Facial Recognition based Library Management System (FRLMS). This system aims to improve the user experience on library authentication process through facial recognition algorithm. This process would be simple and efficient as the authentication process is performed seamlessly. For the purpose of this study, feature extraction and image classification are obtained using OpenCV and TensorFlow, where the average recognition accuracy reaches up to 92.15%. © 2018 IEEE.

Author keywords

Biometric | Face Recognition | Identification | Library Management System | Verification

Indexed keywords

Engineering controlled terms: Authentication | Biometrics | Identification (control systems) | Verification

Engineering uncontrolled terms: Design and Development | Facial recognition | Library management | Recognition accuracy | User experience

Engineering main heading: Face recognition

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