

## **DEVELOPING AUTOMATED GATE CONTROLLED SECURITY SYSTEM USING BIOMETRICS AUTHENTICATION TECHNIQUE BY CREATING REAL TIME DATABASE IN MATLAB**

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### **ABSTRACT**

In today's world of technology, security for systems/restricted places has become a challenging task. Authentication plays a major role for any security system where access can be given to only authorized persons. Authentication is the process of giving someone the identity so that he or she can access that particular application or data. It is like confirming something what it claims to be something like we are showing our ID proof to get access in the particular area restricted to particular persons only. In today's world of data/password hacking, biometric systems are emerging fastly to fulfill or to meet the requirements of securing the data or to avoid the unauthorized identities to hack/access the data/control. Objective of the authentication technique using Face detection is to provide and to ensure the full proof security of the information or the data we are sharing by the mean of processing & comparing the unique structure of the face of the person to authenticate him.

**KEYWORDS:** Authentication, Matrix, Biometric, MATLAB, Security System