

A

Report on

FINGERPRINT BASED ATM SYSTEM

A report submitted for the partial fulfillment of the requirements for Mini Project of

BACHELOR OF TECHNOLOGY

IN

ELECTRONICS AND COMMUNICATION ENGINEERING

Submitted by

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

MINI PROJECT

(FINGERPRINT BASED ATM SYSTEM)


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FINGERPRINT BASED ATM SYSTEM

ABSTRACT

Biometric system is a pattern identification system that recognizes an individual by determining Originality of the physical features and behaviour characteristics of that person of all the recent used biometric techniques, fingerprint identification system have gained the most popularity because of the prolong existence of fingerprints and its extensive use fingerprint is dependable biometric trait as it is an idiosyncratic and dedicated .it is a technology that is increasingly used in various fields like forensics and security purpose the vital objective of system is to make ATM transaction more secure and user friendly . This system replaces traditional ATM cards with fingerprint. Therefore, there is no need to carry ATM cards to perform transactions. The money transection can be made more secure. Without worrying about the card to be lost. In our system we are using embedded system with biometric I. e r305 sensor and UART microcontroller. The fingerprint and the user _id of all users are stored in the database. fingerprint is used to identify whether the person is genuine. A fingerprint scanner is used to acquires the fingerprint of the individual, after which the system requests for the PIN (personal identification number).the users get three chances to get him authenticated .if the fingerprint do not match further authentication will be needed . After the verification with the data stored in the system database. the user is allowed to make transaction.