(54) Title of the invention : FA-IATM : FINGERPRINT AND PIN(6-DIGIT) AUTHENTICATION TO ENHACE SECURITY THE INTELLIGENT AUTOMATIC TELLER MACHINE

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(57) Abstract :
FA-IATM : FINGERPRINT AND PIN(6-DIGIT) AUTHENTICATION TO ENHACE SECURITY THE INTELLIGENT AUTOMATIC TELLER MACHINE [330] ABSTRACT In my Invention FA-IATM • we develop to add more security (biometric , pin(6-digit, mobile sensing) to the current ATM Systems. By using Biometric Authentication and mobile sensing, we can overcome many of the flaws introduced by our current ATM system such as shoulder surfing, use of skimming device, etc. In our FA-IATM • system, Bankers will collect the customer™s as well as respective nominee™s fingerprint and mobile number at the time of opening the account. The primary step is to verify currently provided fingerprint with the fingerprint which is registered in the Bank™s database at the time of account opening. If the two fingerprints get matched, then a message will be delivered immediately to the card holder and if they verify and enter amount only then and only then they can collect the cash from the ATM. It is a highly secured Automatic Teller Machine banking system using an optimized Advanced Encryption Standard (AES) algorithm , and other algorithm can also used for optimize result . For every transaction, new sensing message(i.e verified or not verified) will be sent to account holder™s mobile phone, e- mail.

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