IJARSCT



International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)

International Open-Access, Double-Blind, Peer-Reviewed, Refereed, Multidisciplinary Online Journal

Volume 3, Issue 2, August 2023

Advanced ATM Security based on Occluded Image Processing

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Abstract: An ATM is an automatic teller machine that verifies user information using an ATM card reader before dispensing the necessary amount of cash at anytime, anyplace, and even without contacting the bank. Currently, all banks offer a significant number of ATMs for use by the general public. The protection of these machines from theft and robbery presents a significant difficulty. The primary goal of this project is to offer high levels of security against theft. The project's major goal is to secure the current ATM system by detecting and identifying the offender through the use of vibration sensors, chemical spray, and occluded (masked) image processing techniques.

Keywords: ATM, Vibration sensor, Chemical spray, Occluded image

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DOI: 10.48175/IJARSCT-12742



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Volume 3, Issue 2, August 2023

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