## IJARSCT

International Journal of Advanced Research in Science, Communication and Technology



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



Volume 5, Issue 10, June 2025

## **AI Driven ATM Premises using Raspberry Pi Technology**

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**Abstract**: The project focuses on developing a smart ATM that leverages biometric security features like retina scanning, fingerprint recognition, and facial recognition to authenticate users instead of relying on traditional PINs. These advanced technologies aim to enhance transaction security, minimize fraud, and ensure that only the rightful account holder can access their funds. By integrating these features, the system intends to make banking safer, more efficient, and highly convenient for users. It emphasizes improving the reliability and ease of cash withdrawals while reducing the risk of unauthorized access. The innovative use of biometrics represents a shift towards modern, secure banking solutions. Overall, the project aspires to redefine the way individuals interact with ATMs, prioritizing safety and user friendliness.

Keywords: ATM Premises, AI&ML, Raspberry pi 4b, IP CCTV Camera, Wi-Fi Router, POE switch, Audio speaker, Python3.1.1, yoloV8

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