"Bank Locker System" Internet of Things (IoT)

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Abstract: *Personal Security is one of the main concern when it comes to office, personal workplace in home, bank etc. Soto overcome this problem, this project suggest the use of Internet of Things(IoT) to provide secure access only to authorized person , SMS is also send if there is an unauthorized person detection. The Raspberry Pi captures the image when a person tries to access the bank locker and then process it and is compared with the trained dataset If persons face matches after image processing on the captured image then provide authorization to the Raspberry Pi is send to open the lock and if it doesn't match then the system sends SMS to the bank authority. so in order to have highly secured locker we are using this proposed method.*

Keywords: Raspberry pi-3+ model B, Relay, SD card, GSM, Sensors.

REFERENCES

[1]. Ajay Kumar, Priyan Sood, Utkarsh Gupta ,"Internet of Things (IoT) for Bank Locker Security System ",IEEE 2020.

[2]. Rekha Dewangan, Vishnu Kumar Mishra, Megha Mishra , "A Review on Secured Bank Locker System using Finger Print, Image and RFID Technique ", International Research Journal of Engineering and Technology (IRJET), July 2020

[3]. J.S Vimali, Senduru Srinivasulu, Gowri. S , "IoT Based Bank Security System", International Journal of Recent Technology and Engineering (IJRTE), 2019

[4]. Lokesh M. Giripunje ,Suchita Sudke ,Pradnya Wadkar ,Krishna Ambure "BASED SMART LOCKER SECURITY SYSTEM", International Journal of Advance Research in Science and Engineering,2018

[5]. Bhupesh Mankar , Digvijay Raut , Akash Bobde , Ishant moon, "Performance Survey on IOT Based Security System for Social Safety", International Journal of Innovative Research in Computer and Communication Engineering, October 2018

[6]. Hiloni S. Detroja and Disha D. Kotadiya and Prutha J. Vasoya, "GSM Based Bank Locker Security System using RFID, Password and Fingerprint Technology", International Journal for Innovative Research in Science & Technology, April 2016