

# Laser Security with Automatic Gateway System

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**Abstract:** Today crime is increasing day by day also security technique is increasing that are lot of ways , So we decided to project on protect from such crime works . Project related to home security also include gateway system which related to gate security. LASER light is cover large area .We know that LASER goes through large distance .In this project LASER is used when person will cross the LASER then buzzer or alarm will ringing, light beam of LASER on the person .The LASER security system is low cost system and gives better performance. Gateway system is used for security purpose .The gateway system for industry, companies ,school and many purposes. Use of gate that reduces crimes and reduce human forces .In gateway security system biometric also used for security purpose, which improves security level of gateway system .With the verification of finger the gate will be open. The main task of the system is to reduce manual work.

**Keywords:** Arduino Uno, Fingerprint, 12 V Adapter, DC Motor , LDR sensor, LED, DC Motor.

## REFERENCES

- [1]. Meenakshi, N, M Monish, K J Dikshit, and S Bharath. "Arduino Based Smart Fingerprint Authentication System." In 2019 1st International Conference on Innovations in Information and Communication Technology (ICIICT), 1–7. CHENNAI, India: IEEE, 2019
- [2]. Patil, Karthik A, Niteen Vittalkar, Pavan Hiremath, and Manoj A Murthy. "Smart Door Locking System Using IoT" 07, no. 05 (2020):
- [3]. Reddy, R Sai Charan, P Vamsi Krishna, M Krishna Chaitanya, M Neeharika, and K Prabhakara Rao. "Security System Based on Knock Pattern Using Arduino and GSM Communication" 4, no. 1 (2018)
- [4]. Areed, Marwa F. "A Keyless Entry System Based on Arduino Board with Wi-Fi Technology." Measurement 139 (June 2019): 34–39. <https://doi.org/10.1016/j.measurement.2019.02.028>.
- [5]. Kishwar Shafin, Md., Kazi Lutful Kabir, Nazmul Hasan, Israt Jahan Mouri, Samina Tasnia Islam, Lazima Ansari, Md. Mahboob Karim, and Md. Afzal Hossain. "Development of an RFID Based Access Control System in the Context of Bangladesh." In 2015 International Conference on Innovations in Information, Embedded and Communication Systems (ICIIECS), 1–5. Coimbatore, India: IEEE, 2015.
- [6]. Anil K. Jain, Arun Ross and Salil Prabhakar. An Introduction to Biometric Recognition. IEEE Transactions on Circuits and Systems for Video Technology, Special Issue on Image and Video Based Biometrics, Vol. 14(1), January, 2004. vol. 85, no. 9, pp. 1348-1363, September, 1997.