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Home Security System using ESP32-CAM and Telegram Application

Dr. G. C. Manjunath[1], Mr. B. Mahendra[2], Ms. Rashmi[3], Mrs. G. Bhuvana[4], Ms. Keerthi[5]
Professor[1] and Student[2,3,4,5]
Proudhadevaraya Institute of Technology, Hospet, Karnataka, India

Abstract: *This chapter deals with the implementation of our own monitoring system with home security. The system is designed using IoT modules and uses ESP32 microcontrollers. The chapter describes the design of the system, its hardware components, software implementation, security solutions, communication, the collecting and monitoring of processed data, as well as the quantification of costs for the production and deployment of this system. The proposed system secures a house by detecting an intruder in the building, triggering an alarm and capturing it all with camera images and then sending data to the owner's smart mobile.*

Keywords: Home Security

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