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Wireless Home Security System

Bachelor of Science in Information Technology

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Abstract

Security and automation is a big problem in our day-to-day lives. The approach to home and industrial automated protection system architecture is now almost standardized. In this project, we have sought to strengthen these standards by integrating modern methodological approaches and designed low-cost home and industrial automated safety systems. Everyone needs to be as safe as possible.

The simple design of Wireless Home Security System can help a customer to easily use this system with a PIR, Smoke, Gas and Window Sensor at Home and Industries. The system is completely controlled by the Arduino microcontroller. Both sensors and detectors are coupled to the microcontroller using a number of interface circuits. The microcontroller watches all sensors constantly, and if it detects any security issues, the microcontroller sends a warning to the smartphone application of the customer. So, that customer can take necessary actions to avoid imminent danger.

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