

ABSTRACT

In the current scenario of energy crisis and insecurity, this project “**GSM Based Home Automation and Security System**” will help people overcome these situations. This project report consists of basic steps that involve the system analysis, the design of the hardware and also testing and implementation. As energy crisis/rate in Pakistan is increasing day by day, so this project providing a better solution to such problems by controlling the home appliances using cell phone anywhere and anytime around the world. This project is useful to people who are **aged, handicapped** or after **load shedding** when light comes and people are not at home and **forget** to turn the appliances **OFF**, can do so by using their mobile phones.

This project also relates to security system in which we can control the security of the house at the main gate using a keypad and also using motion sensors to detect any movement, which is then sent to our mobiles.

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